

LABORATORY ANIMALS part II  
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Sixth Edition  
Revised

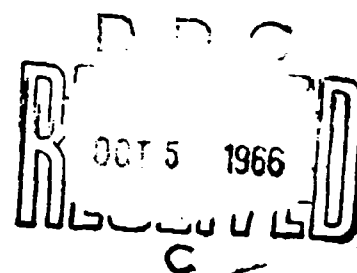
# LABORATORY ANIMALS part II ANIMALS FOR RESEARCH

National Academy of Sciences  
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# **LABORATORY ANIMALS part II**

## **ANIMALS FOR RESEARCH**

**A Directory of Sources of  
Laboratory Animals, Tissues and Fluids,  
Equipment, and Materials**

**Revised August 1966**

**A Report of the  
INSTITUTE OF LABORATORY ANIMAL RESOURCES  
National Academy of Sciences  
National Research Council**

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The Institute of Laboratory Animal Resources of the National Academy of Sciences—National Research Council presents this directory as a service to the scientific community. It makes no claims for the animal stocks, laboratory animal equipment, or materials listed herein. The Institute does not recommend or endorse any breeder, supplier, importer, collector, or manufacturer, nor does it recommend or endorse any product. No claim is made for the authenticity of either scientific or vernacular names. The information in this directory is essentially that submitted by the various commercial organizations listed.

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## **INSTITUTE OF LABORATORY ANIMAL RESOURCES**

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The Institute of Laboratory Animal Resources, established in 1952 under the Division of Biology and Agriculture of the National Academy of Sciences—National Research Council, serves as an advisory body in the field of laboratory animal supply and quality. It acts as an information center and prepares reports on laboratory animal subjects. The Institute, its Advisory Council and Committees, may act on their own initiative or on request from public or private agencies.

The members of the Advisory Council and the Committees are appointed from among leaders in biological research, veterinary medicine, and the breeding industry on the basis of their qualifications of experience and judgment to deal with the broad problems that come before them. Members of the Advisory Council and Committees serve without compensation beyond their actual expenses.

Financial support for the activities and publications of the Institute is provided by grants from and contracts with the Office of Naval Research, U.S. Army, U.S. Air Force, U.S. Atomic Energy Commission, U.S. Public Health Service, American Cancer Society, Inc., and the pharmaceutical and related industries.

## FOREWORD

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Established in 1952, the Institute of Laboratory Animal Resources has, since its inception, served as a focal point for information on the supply and quality of experimental animals. Five previous issues of this directory have contributed greatly to the proper provisioning of animals for research, testing, and teaching programs in the United States. The Institute's information center has assisted biological and medical scientists in obtaining appropriate animal species for experimental programs. Continuous surveys of available supplies of the common laboratory animals have made possible the matching of research demand with commercial supply. In the area of animal quality, the Institute has developed standards for the production, procurement, care, maintenance, shipment, and utilization of experimental animals.

This directory was edited by Mary B. Sundborg. Staff contributions to the preparation of this publication were made by Robert H. Yager, Executive Secretary, and Francis J. Judge, Assistant Executive Secretary.

## DIRECTIONS FOR USE OF THE DIRECTORY

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The directory is divided into the following sections:

1. Section I, pages 3 to 20, comprises the listings for the common domestic animals (chickens, turkeys, non-inbred mice, inbred mice, hybrid mice, rats, hamsters, guinea pigs, dogs, cats, cattle, goats, sheep, and swine). Species are arranged by strain designation, strain origin, breeding system, and coded name and address of supplier.
2. Section II, pages 23 to 53, lists the commercially available animals obtained from nature in phylogenetic order, beginning with the Protozoa and ending with the Chordata. Scientific name, common name, and coded name and address of supplier are given.
3. Section III, page 57 lists sources of tissues, organs, and fluids of various species used in research.
4. Section IV, pages 61 to 70, indicates suppliers and manufacturers of ancillary laboratory equipment, cages, feed, germ-free equipment, and washing machines. Species of animals for which they can be used, and coded name and address of supplier are provided.
5. Section V, pages 73 to 89, gives the coded names, addresses, and telephone numbers of suppliers whose animals, equipment, and materials are listed in the directory.
6. Section VI, pages 93 to 95, is composed of two indexes—common animal name and scientific name.

For further information please contact us by  
telephone—area code 202-961-1692; or by mail—  
Institute of Laboratory Animal Resources,  
National Academy of Sciences,  
2101 Constitution Avenue,  
Washington, D.C. 20418

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I  
COMMON DOMESTIC  
LABORATORY ANIMALS

# GALLIFORMES

## DOMESTIC CHICKS (*Gallus domesticus*)

Strain Designation	Strain Origin	Breeding System	Code
Babcock B-300	S.C. White Leghorn	Strain cross	BAB
B. boock B-310	S.C. White Leghorn	Strain cross	BAB
Babcock B-370	Synthetic x White Leghorn	Breed cross	BAB
Babcock B-390	R.I.R. x B.P.R.	Breed cross	BAB
Bantam, common			MAZ, WHI, WIG
Bantam	12 Varieties	Controlled	THR
Barred rocks			BAB
Black Australorp	Edmonds	Family-progeny test	COF
California Grays			BAB
New Hampshires	Hubbard Farms	Pedigree	HUB
New Hampshires	Larabee	Family-progeny test	COF
Red Rock			SUN
Rhode Island Reds		Random	BAB, HIL, MAZ, SUN
Rhode Island Reds	Parmenter	Linebred	TRS
Rhode Island Reds, S.C.	Edmonds	Family-progeny test	COF
Round head game chicken		Controlled	THR
Sexlink	Harco	Crossbred	TRS
White broiler-type	Numerous crosses	Crossbred	TRS
S-6 PPLO negative			
White Hackel game chicken		Controlled	THR
White Leghorns		Controlled	REA, THR
White Leghorns	Babcock	Strain cross	TRS
White Leghorns	DeKalb	Inbred cross	TRS
White Leghorns	Dryden	Family-progeny test	COF
White Leghorns	Kimber	Pedigree	HUB
White Leghorns		BxS	SHB
White Leghorns		Linebred	BAB, SHB
White Leghorns		Random	HIL, SUN
White Leghorns, S.C. #30	Mt. Hope	Linebred	TOW
White Rock			MAZ
White Rock	Lawton	Family-progeny test	COF
Wt. Mountain Cross	Hubbard Farms	Pedigree	HUB

Refer to USDA, ARS-44-6, revised February 1966, "Hatcheries and Dealers Participating in the National Poultry Improvement Plan." Available from USDA, Agricultural Research Service, Beltsville, Md. 20705

## DOMESTIC CHICK EMBRYOS (*Gallus domesticus*)

Black Australorp	Edmonds	Family-progeny test	COF
New Hampshire	Larabee	Family-progeny test	COF
Rhode Island Red	Parmenter	Linebred	TRS
Sexlink	Harco	Crossbred	TRS

DOMESTIC CHICK EMBRYOS (Gallus domesticus) Continued

Strain Designation	Strain Origin	Breeding System	Code
S.C. #30	Mt. Hope	Linebred	TOW
SPAFAS RIF free	Mt. Hope	Closed colony	SPA
SPAFAS SPF	Mt. Hope	Closed colony	SPA
White broiler-type	Numerous crosses	Crossbred	TRS
8-6 PPLO negative			
White Leghorn			SUN
White Leghorn	Babcock	Strain cross	TRS
White Leghorn	DeKalb	Inbred cross	TRS
White Leghorn	Dryden	Family-progeny test	COF

DOMESTIC TURKEYS AND EMBRYOS (Meleagris gallopavo)

Beltsville White	USDA	Linebred	TRS
Broad-breasted bronze	Sunny Slope	Linebred	TRS
Turkeys	Not designated		MAZ

Refer to USDA, ARS-44-8, revised March 1966, "Participants in the National Turkey Improvement Plan." Available from USDA, Agricultural Research Service, Beltsville, Md. 20705

LAGOMORPHA

DOMESTIC RABBITS (Oryctolagus cuniculus)

American Blue		Selective	TOB
American Dutch	England, originally	Random	CEB
Black Rex	Castor Rex	Linebred	CLO
Blue Rex		Linebred	RED
Californian		Linebred	CAO, HEL, PEZ, WAY
Californian		Random	BAA, CEB, NEA, RED, SIG
Checkered Giant		Selective	HIL, MOS
Chinchilla		Linebred	CAM, HEM
Chinob'la		Random	DIE, PEZ, ROC, STK
Chinchilla		Selective	ASI, HIL, LAN, TOB
Chinchilla, Giant	Dr. A. DeCastro, Switzerland	Linebred	CLO
Chinchilla, Giant	Long-eared, crossed with Flemish Giants	Linebred	LAH
Chinchilla, Giant	MCRI	Linebred	MAM
Crene de Argent		Selective	TOB
Dutch		Linebred	CAM, HEM, HEN, PAI, RES, WHI
Dutch	Paradise and Stedman	Linebred	TOB
Dutch		Random	CZE, DIE, MOS, ROC
Dutch		Selective	RED, THR
Dutch, black	Hel 'C' Bob	Linebred	HEL, MAZ
Dutch, blue	Hel 'C' Bob	Linebred	HEL
Dutch, miniature			WHI
Dutch Belt	Black, blue, brown, tortoise	Random	HAU
Dutch Belt		Selective	ASI, HIL, MAR
English spots		Selective	ASI
Flemish		Random	MAZ

DOMESTIC RABBITS (*Oryctolagus cuniculus*) Continued

Strain Designation	Strain Origin	Breeding System	Code
Flemish Giant		Linebred	CAM, HEM, TOB
Flemish Giant		Selective	ASI, HIL
HAL/FON/GNO	Cassarean-derived	Random	HAZ
(gnotobiotic)	from HAL/FON/PAF		
HAL/FON/PAF (free	USDA Rabbit Expt.	Random	HAZ
of commonly occur-	Station, Fontana,		
ring pathogens and	Calif., via S.K.F.		
parasites)			
HAL/FON/SPF (specific	HAL/FON/GNO	Random	HAZ
pathogen-free)			
Fairhaven, gold with	Imported stock,	BxS	COA
black or brown	Inbred 5 yr.		
Havana		Selective	TOB
Havana Rex	Castor Rex	Linebred	CLO
Miniature Rabbits	Henry's, black,	Inbred	HEN
	chocolate		
Miniature Rabbits	Henry's, white (with	Linebred	HEN
	ruby or blue eyes)		
Himalayan		Selective	TOB
Lilacs		Selective	TOB
Lone Maple		Linebred	LOM
New Zealand Black,	Bardal Rabbitry	Inbred and Linebred	PAI
Blue, Chocolate	Chester, Vt.		
New Zealand Black			WHI
New Zealand Red		Selective	ASI, LAH, LAN
New Zealand Red		Random	STK
New Zealand White		Linebred	SAR, BEJ, CAM, CAO, CLO, COE, HAU, HBA, HEL, HEM, HEN, KAN, LAH, MAM, MOS, PAI, POC, RES, ROW, SAN, TOB, ZAR
New Zealand White		Random	ALB, ARF, BAA, BEI, CAN, CIR, COE, CZE, DIE, ELM, FAB, FLI, GOL, GOR, HAT, HAU, HEN, HIC, KEN, LAA, MAI, MAR, MAZ, MDX, MOS, MYE, NEA, PEP, PEZ, QUE, ROC, SCL, SIG, STE, STK, STT, WAY, WEE, WHI, WIG
New Zealand White		Selective	ASI, CKR, HIL, ISA, LAN, LIQ, NEW, PUR, RED, THR
N.Z.W. Miniature	Pocono Rabbit	BxS	POC
	F4 and F8		
Polish		Selective	ASI
Polish, Black		Selective	HEL, TOB
Polish, Black		Random	SIG, WHI
Polish, Blue		Random	SIG, WHI
Polish, Blue		Selective	TOB
Polish, Chocolate		Linebred	HEL, TOB
Polish, White (blue-	Hel 'C' Bob	Linebred	HEL
eyed)			
Polish, White (ruby-	Hel 'C' Bob	Linebred	HEL
eyed)			
Polish, White (ruby-		Random	SIG
eyed)			
Polish, White (ruby-	Duquesne and Everett	Linebred	TOB
eyed)			
Rex (Castor colors)	Castor Rex	Linebred	CLO
Rex		Selective	ASI, TOB
Silver Marten		Linebred	PEZ

DOMESTIC RABBITS (*Oryctolagus cuniculus*) Continued

Strain Designation	Strain Origin	Breeding System	Code
White Rex Not designated	Castor Rex	Linebred	CLO CZE, HAT, KAN, LAN, LEM, LOM, MYE, STE

RODENTIA

NON-INBRED LABORATORY MICE (*Mus musculus*)

Albino	Inst. for Cancer Research	Random	MBR
Albino		Random	HAT
ARA/Ha/ICR (axenic)		Random	SCH
ARA/Ha/ICR	Dr. Hauschka, Roswell Park	Random	SCH
ARA/STS	Dr. Boutwell, Univ. of Wis.	Random	SCH
BSFCF1	CF1 Descendant	Random	BLU
BSF ICR	Inst. for Cancer Research	Random	BLU
C57		Random	LAA
CBL ICR	Charles River	Random	CAN
CBL Swiss-Webster	Swiss-Webster	Random	CAN
CF- No. 1	Carworth, Inc. USA	Random	QUE
Charles River CD <sup>®</sup> -1 (axenic)	Charles River CD <sup>®</sup> -1	Random	CHA
Charles River CD <sup>®</sup> -1 (barrier sustained)	Cesarean-derived from Hauschka and Mirand ICR, Roswell Park	Random	CHA
Charles River CD <sup>®</sup> -1 (isolator reared defined flora)	Charles River CD <sup>®</sup> -1	Random	CHA
CF #1	Carworth	Random	CAW
CF #1 (axenic)	CF #1	Random	CAW
CFW	Webster-Rockefeller	Random	CAW
CFW (axenic)	CFW	Random	CAW
COX/ICR	ICR	Random	LAI
COX/ICR (gnotobiotic)	ICR	Random	LAI
COX/Standard	Lilly	Random	LAI
COX/Swiss	Webster-Rockefeller	Random	LAI
CV1 (agouti)		Selective Random bred	CUM
DFW	Webster-Rockefeller	Random	CAW
DUB/ICR	Inst. for Cancer Research	Random	DUB
DUB/SW Swiss- Webster	S/W	Random	DUB
Golmcoor ICR	Inst. for Cancer Research	Random	GOF
HA/ICR	Hauschka, Roswell Park	Random	CUM
HA/ICR	Inst. for Cancer Research	Random	MBR
ICR	Hauschka	Random	CAM, HEM

NON-INBRED LABORATORY MICE (*Mus musculus*) Continued

Strain Designation	Strain Origin	Breeding System	Code
ICR	Inst. for Cancer Research	Random	CAM, DIE, HBA, HEM, OCT, ROC, ROY, SCL, WIN
MBR/ICR	Inst. for Cancer Research	Random	MBR
MF #1		Random	MAR
MF-1-A (axenic)	Manor Farms	Random	MAL
MF-1-C (conventional)	Manor Farms	Random	MAL
MF-1-PF (pathogen-free)	Manor Farms	Random	MAL
Mil/Ha/ICR Swiss	ICR 1957	Random bred (monogamous mating) Caesarean-derived foundation	MIL
MLM-1	ICR	Random	WEE
O'Grady Audiogenic Seizure	Swiss-Webster		OGR
O'Grady Swiss-Webster	Halsey, J. Bagg, Swiss-Webster	Random	OGR
PV-A	Original colony obtained from a breeder producing animals for pharmacological studies	Random	PEA
RAW-ICR	Inst. for Cancer Research	Random	RAW
RF1	Rockland Farms, Inc.	Random	ROC
RMF ICR	Philadelphia Cancer Research	Random	MIF
Spartan (SW)	Swiss-Webster	Random	SPB
Swiss	Inst. for Cancer Research	Random	BEL, MAD, MBR
Swiss		Random	MIV, STE, STK
Swiss/BPL	HaM/ICR	Random	BER
Swiss, Cornett	Carworth Farms	Random	COV
Swiss, Maxfield		Random	MDX
Swiss-Webster		Random	ALB, CAM, DIE, GER, GOR, HEM, LAA, LAN, LEM, MAL, MAR, PUR, RED, ROC, ROF, ROL, ROS, STE, THR, TWN, WBS
Swiss-Webster	Bellaire, to Endocrine Consulting Lab. and Bellaire to S & S Research	Random	THP
Swiss-Webster	DAL from Diablo Lab	Random	RED
Swiss-Webster	Huntingdon Farms	Random	HIL
Swiss-Webster ICR	Blue Spruce Farms	Linebred	MAP
Swiss-Webster	Rockefeller Inst.	Linebred	ZIM
Swiss-Webster	Rockefeller Inst.	Random	HBA, SIM SUO
Swiss-Webster	Rockland Farms	Random	SUT
Swiss-Webster	Arthur Sutter	Random	MAO
Swiss-Webster	ICR	Random	DEN
Swiss Yale/TEX	Brookhaven Labs. to TEX - 1962	Random	TEX
Tac/Swiss-Webster	Rockefeller Inst.	Random	TAC
Tac/Swiss-Webster SPF	Taconic	Random Caesarean-derived stock	TAC
Webster Swiss MDX	Maxfield	Random	WIG
White	Oseola strain	Random	OSC
Not designated		Random	GER, HAT, STE, TAR

INBRED LABORATORY MICE (*Mus musculus*)

Strain Designation	Strain Origin	Breeding System	Code
A/Dm/TEX	Strong to Dmochowski to TEX F <sub>81</sub> - 8/27/57	BxS	TEX
A/He Cum	ORNL	BxS	CUM
A/HeJ	Strong, from cross made in 1931 of albino from Cold Spring Harbor and Bagg albino. Majority of sublines trace to stock Bittner obtained from Strong in 1937. Some stock sent Heston in 1938. He to JAX in 1948 at F77	BxS	JAX
A/J	Strong, from cross, 1931. Albino from CSH and Bagg albino; to Cloudman in 1938; Cloudman to JAX in 1947 at F73	BxS	JAX
AKR	NIH	BxS	SIM
AKR/Cum	ORNL	BxS	CUM
AKR/Dm/TEX	Furth to Kirschbaum to Dmochowski to TEX F <sub>88</sub> - 4/7/61	BxS	TEX
AKR/J	Carried by Furth as high leukemia strain from 1938-39. Then random bred at Rockefeller Inst. several gen., then 9 gen. of BxS by Mrs. Rhodes and 21 by Dr. Lynch. He to JAX in 1948 at F28	BxS	JAX
AKR/SnMil	JAX (Snell) to SKI (Boysse), 1960 to Mil in 1961 at F6	BxS	MIL
A/Sim	Bittner	BxS	SIM
A2G	Switzerland. Obtained by Dr. Linderman, Univ. of Florida	BxS	DUB
BALE/C	Bittner	BxS	SCH
BALE/c Cum	ORNL	BxS	CUM
BALE/cJ	Subline of BALE. MacDowell to Snell in 1933 at F26, since widely distributed; to Scott at F29, to Andervont in 1935. Scott to JAX in 1947 at F41. BALE/cAn to JAX in 1948 at F64, discontinued in 1964 at F79	BxS	JAX
BALE/C (axenic)	Bittner	BxS	SCH
BALE/cAn/Sim	NIH	BxS	SIM
BALE/c/Dm/TEX	MacDowell to Snell to Scott to Andervont to Deringer to Dmochowski to TEX F <sub>88</sub> - 2/18/58	BxS	TEX



INBRED LABORATORY MICE (*Mus musculus*) Continued

Strain Designation	Strain Origin	Breeding System	Code
BDF <sub>1</sub> BRC <sup>1</sup>	Brookside, 1960. F20 since 1960. Genet:CA	C57/BL/6 by DBA/2 BxS	SCH BRO
B10.D2-new/8uJ or C57BL/108n-H-2 <sup>d</sup>	Allele H-2 <sup>d</sup> (histocompatibility-2) introduced onto C57BL/108n background by cross-intercross system	BxS	JAX
B10.D2-old/8uJ or C57BL/108n-H-2 <sup>d</sup> H-2 <sup>0</sup>	Alleles H-2 <sup>d</sup> (histocompatibility-2) and H-2 <sup>0</sup> (complement deficiency), introduced onto C57BL/108n background by cross-intercross system	BxS	JAX
B10.LP/8uJ or C57BL/ 108n-A <sup>WH</sup> -15 <sup>0</sup> H-2 <sup>b</sup>	Alleles A <sup>W</sup> , H-15 <sup>0</sup> and H-2 <sup>b</sup> , all in linkage group V. Introduced onto C57BL/108n background by cross-intercross system	BxS	JAX
CBA/Cum CBA/J	ORNL Strong, 1930, from cross of Baggy albino x DBA. Strains C, CBA, CH1, C121, and C3H originated from this cross. Andervont to JAX in 1948 at F67	BxS BxS	CUM JAX
CE/J	Wild mutant trapped in 1930 in Illinois by J. E. Knight. Delfs studied genetics of color type. Inbred by Eaton at least 15 gen. Some sent to Woolley. Speira (2 gen. from Wy), to Wy and JAX in 1948	BxS	JAX
C3H (agent free)	Bittner	BxS	SCH
C3H - axenic (agent free)	Bittner	BxS	SCH
C3H/An/Dm/TEX	Strong to Andervont to Dmochowski to TEX F71 - 2/22/57	BxS	TEX
C3H/An Cum	ORNL	BxS	CUM
C3H/Anf Cum	CUM	BxS	CUM
C3H/AnMil	NIH (Andervont) to NIH (Felton) to Pooley, 1940 to A. D. Little in 1960 to Mil in 1961	BxS	MIL
C3HeB/FeJ	C3H/HeJ ova transferred to C57BL/6 by Fekete in 1948; original transplant animals to Hummel, F3 to PES in 1950	BxS	JAX
C3H/He/Dm/TEX	Heston to Dmochowski to TEX F71 - 2/26/64	BxS	TEX

INBRED LABORATORY MICE (*Mus musculus*) Continued

Strain Designation	Strain Origin	Breeding System	Code
C3H/HeJ	See CBA. Strong to Andervont in 1930; An to Huxton in 1938 F35; He to JAX in 1947 at F48	BxS	JAX
C3H/Mai	Bittner C3H via Dr. L. Gross	BxS	MIC
C3H/Sm	Bittner	BxS	SDM
C3H <sub>7</sub> /An/Dm/TEX	Strong to Andervont to Dmochowski to TEX F35 - 2/6/57	BxS	TEX
C3H <sub>7</sub> /He/Dm/TEX	Huxton to Dmochowski to TEX F57 - 2/26/64	BxS	TEX
C/57 Black 6 J/CFMFP	JAX	BxS	CAW
C57/BL6	JAX	BxS	NEY
C57/BL6/Sm	Bittner	BxS	SDM
C57BL/Cum	ORNL	BxS	CUM
C57BL/KsJCSHeR/FoJ	C57BL/6J to Bleele (1947), to Kaliss in 1948	BxS	JAX
C57BL/6		BxS	RED
C57BL/6 COX	Roewell Park	BxS	LAI
C57BL/6 Cum	NUH-SRI-1955 CVF	BxS	CUM
C57BL/6Dm/TEX	Bittner to Kirschbaum to Dmochowski to TEX F18 - 8/27/57	BxS	TEX
C57BL/6J	Little in 1921 from heterozygous sib pair 787 and 788 from Miss Lathrop's stock. Subline 6 separated from subline 10 prior to 1937. C. Hall to Fe at F22, to JAX in 1946 at F24	BxS	JAX
C57BL/6Mai	JAX	BxS	MIC
C57BL/10J	Little (as C57BL/6J), Scott to JAX in 1947 at F38	BxS	JAX
C57BL/10SnJ	Little in 1921; to W. L. Russell; to Scott in 1940 when it was in F26 as separate subline; to Shell in 1947	BxS	JAX
C57BL6/Ja/Mil	JAX to Indiana (Jacobs), 1953 to RPMI in 1959 to Mil in 1965	BxS	MIL
C57BL6/Mil	JAX to SKI (Woolley), 1967 to Mil in 1967 at F50	BxS	MIL
C57BR/odJ	Little, from cross that gave rise to C57BL, C57BR/a and C57L. Black and brown lines separate in 1st gen. Subline od was established in gen. 13 from cross of 2 brown	BxS	JAX

INBRED LABORATORY MICE (*Mus musculus*) Continued

Strain Designation	Strain Origin	Breeding System	Code
C57BR/cdJ (Cont'd)	branches, one of which had previously given rise to line C57BR/a. Some given to Cloudman, then to He in 1938; He to JAX in 1947, at F86		
C57L/J	J. Murray, 1933, mutation in F23 of C57BR subline of which nonleaden (brown) branch now extinct; maintained by Cloudman; Heston (from Cloudman 1936), to JAX in 1947 at F48	BxS	JAX
C57Leaden/Cum	ORN L	BxS	CUM
C58/J	MacDowell, 1931, from mating littermates ♀58 and ♂58 of Miss Lathrop's stock. From Univ. of Calif. at Berkeley (from MacDowell at F78), to JAX in 1948 at F77	BxS	JAX
DBA/1J	The oldest inbred strain. Started by C. C. Little, 1909. 1929-30 crosses made between sublines and several new sublines established. 2 of these were 12 (now called 1), and 212 (now called 2). Fekete in 1938 to JAX market (pen bred few gen.), to H1 in 1947 to JAX in 1948	BxS	JAX
DBA/2	JAX	BxS	FAB, NEY
DBA/2 Cum	NIH-SRI-1955 CVF	BxS	CUM
DBA/2/Dm/TEX	Daringer to Dmochowski to TEX F81 - 3/23/58	BxS	TEX
DBA/2J	See DBA/1J. Some to Miller in 1938, then to Heston, to JAX in 1948 at F26	BxS	JAX
DBA/2Mal	JAX	BxS	MIC
DBA/2/Mil	JAX to SKI (Woolley), 1957 to Mil at F57	BxS	MIL
DBA/2 Sim	Wittner	BxS	SIM
dd/a		BxS	SCH
DE/J	Eaton, 1940 from cross CE/Wy x E/Gw and selected for ♂ phenotype: to	BxS	JAX

INBRED LABORATORY MICE (*Mus musculus*) Continued

Strain Designation	Strain Origin	Breeding System	Code
DE/J (Cont'd)	Woolley in 1948 to DI in 1948, to JAX in 1964 at F21		
HME/J	Chase to E. L. Green in 1963 to Lee in 1966, to M. C. Green in 1958, to JAX in 1964	BxS	JAX
LP/J	Dunn, to Scott, to DI in 1947 at F30; to JAX in 1949 at F33	BxS	JAX
MA/J	Marsh's strain 3. Started from pair mice from Lathrop-Loeb colony. 32 gen. of cousin matings; stock to Murray who inbred BxS; to Warner to JAX in 1947 at F30*	BxS	JAX
New Zealand Black SPF NDI	MCR - U.K. NDI. F25 at Brookside. Cesarean-derived foundation colony - 1965	BxS BxS	CAW BRO
NZO/Cum P/J	Wolff Shell, extracted following autopsies of similar stock developed by Gates (BDF). To Wisconsin (McNutt) at F38; to JAX in 1948 at F39	BxS BxS	CUM JAX
PL/J	From non-inbred Princeton strain started in 1932 from 800 mice purchased from dealer. Inbred by Lynch, giving rise to high leukemia line B (PL) and second line A (PLA) with lower incidence. Lynch to Rockefeller Inst. to JAX in 1961 at F22	BxS	JAX
RF/Cum RF/J	ORNL Furth, 1938, from unknown stock Rockefeller Inst. Transferred to Oak Ridge. From Upton at Oak Ridge to JAX in 1964 at F14 (since stock's arrival at Oak Ridge)	BxS BxS	CUM JAX
RF/Sim	ORNL	BxS	SIM

INBRED LABORATORY MICE (*Mus musculus*) Continued

Strain Designation	Strain Origin	Breeding System	Code
SEC/IReJ	E. S. Russell, from SEC/1Gn, to JAX 1964	BxS	JAX
SJL/J	Developed from Swiss-Webster stock, 3 sources brought to JAX between 1938 and 1943. Between 1943 and 1955 no regular breeding system. In 1955 stock sent to FS. Maintained BxS since then	BxS	JAX
SM/J	MacArthur to Runner in 1948; Rr. to JAX in 1964 at F14	BxS	JAX
ST/bJ	Engelbreth-Holm, to Heston at F23. He to JAX in 1948 at F25	BxS	JAX
Swiss-Webster		BxS	LEM, ZAR
Swiss-Webster	Rockefeller Inst.	BxS	SUO
SWR/J	A strain of "Swiss" mice from A. de Coulon, Lausanne, Inbred by Lynch; to Parker to JAX in 1947 at F28+	BxS	JAX
101/Cum	ORNL	BxS	CUM
129/J	Dunn, to R1, to Rr. R1 sent mice to Hunt spring of 1947 and Rr to Wynder in Aug. 1947. After Bar Harbor fire, 1948, Hunt returned to JAX a <u>c<sup>chp</sup>/o<sup>chp</sup></u> subline, and Wynder a <u>op/op</u> subline. Original genotype reconstituted by crossing ♀♀ of former and a ♂ of latter. Offspring used in 1948 to establish Rr, Re, and R1 sublines. Rr subline subsequently distributed to other members of JAX staff		

LABORATORY MICE—Hybrid of Inbred Strains (*Mus musculus*)

AKD2F1 (AKR/J x DBA/2J)	JAX
BC3F <sub>1</sub> /Cum (C57BL x C3H/An)	CUM

LABORATORY MICE—Hybrid of Inbred Strains (*Mus musculus*) Continued

Strain Designation	Strain Origin	Breeding System	Code
BC3F <sub>1</sub> TEX (C57BL/6♀ x C3H/He♂)			TEX
BDF <sub>1</sub> Hybrid	JAX		RAW
BDF <sub>1</sub>			SIM
BDF <sub>1</sub> /1/TEX (C57BL/6♀ x DBA/2♂)			TEX
B1F <sub>1</sub> /Cum (C57BL x 101)			CUM
B6AF1 (C57BL/6J♀ x A/J♂)			JAX
B6D2F1 (C57BL/6J♀ x DBA/2J♂)			JAX
B6D2F <sub>1</sub> /Cum (C57BL/6 x DBA/2)			CUM
CAF1 (BALB/cJ♀ x A/J♂)			JAX
CAF <sub>1</sub> /Cum (BALB/c x A/He)			CUM
C3BF <sub>1</sub> /Cum (C3H/Anf x C57BL)			CUM
C3BF <sub>1</sub> /TEX (C3H/He♀ x C57BL/6♂)			TEX
C3D2F1 (C3H/HeJ♀ x DBA/2J♂)			JAX
C31F <sub>1</sub> /Cum (C3H/Anf x 101)			CUM
(DBA <sub>2</sub> x C57/BL6)F <sub>1</sub>	N.Y. Inbred Lab.		NEY
LAF <sub>1</sub> /Cum			CUM
LAF1 (C57L/J♀ x A/HeJ♂)			JAX
1C3F <sub>1</sub> /Cum (101 x C3H/Anf)			CUM

LABORATORY RATS (*Rattus norvegicus*)

ACI/Mai (formerly AxC9935)	NIH	BxS	MIC
Agouti	1934		WEI
Albino		Random	HAT
Albino, mottled		Random	NEA
ARS	Sprague-Dawley	Random	SCH
ARS (axenic)	Sprague-Dawley	Random	SCH
RN/Mai	Wistar Inst.	BxS	MIC
BR-CV (Badger Res. Conventional)	Sprague-Dawley	Random	BAD
BSF Long Evans, (Hooded)	Univ. of Rochester	Random	BLU
BUF/Mai (formerly Buffalo)	NIH	BxS	MIC
Buffalo	NIH	BxS	SIM
CBL SPD	Sprague-Dawley	Random	CAN, CAO
CBL W	Wistar Inst.	Random	CAO
CFE	Sprague-Dawley	Random	CAW
CFE (axenic)	CFE	Random	CAW
CFN	Wistar Inst.	Random	CAW
CFN (axenic)	CFN	Random	CAW

LABORATORY RATS (*Rattus norvegicus*) Continued

Strain Designation	Strain Origin	Breeding System	Code
Charles River CD <sup>®</sup> (axenic)	Charles River CD <sup>®</sup>	Random	CHA
Charles River CD <sup>®</sup> (barrier sustained)	Caesarean-derived from Charles River SD	Random	CHA
Charles River CD <sup>®</sup> (isolator reared defined flora)	Charles River CD <sup>®</sup>	Random	CHA
Charles River CD <sup>®</sup> F (axenic)	Charles River CD <sup>®</sup> F	Random	CHA
Charles River CD <sup>®</sup> F (barrier sustained)	Caesarean-derived from Dunning- Fischer-344	BxS	CHA
Charles River CD <sup>®</sup> F (isolator reared de- fined flora)	Charles River CD <sup>®</sup> F	BxS	CHA
Cornett	Sprague-Dawley	Random	COV
COX/Rat	Holtzman	Random	LAI
COX/Rat	Sprague-Dawley	Random	LAI
COX/Rat (gnatobiotic)	Sprague-Dawley	Random	LAI
DUB/DR (Disease- Resistant)	NIH Black/Sprague- Dawley, Albino in- bred 20 gen.	Random	DUB
DUB/SDD	Sprague-Dawley	Random	DUB
FDRL	Wistar Inst., 1926	Closed colony	FOD
F344/Dai (formerly Fischer 344)	NIH	BxS	MIC
Fischer 344		BxS	SCH, SIM
Gofmoor	Sprague-Dawley	Random	COF
Sprague-Dawley			
Holtzman	S-D	Random	HOT
Holtzman		Random	THR
Hooded		Random	WHI
Hooded CRAF		Random	CAO
LEW/Dai (formerly Lewis)	Wistar Inst.	BxS	MIC
Long-Evans		Random	LAA, RED, ROC, THR
Long-Evans	Harlan Industries	Random	PAC
	Cumberland, Ind.		
Long-Evans	Maxfield LE	Random	WIG
Long-Evans	Royal Victoria Hospital	Random	QUE
Long-Evans	Univ. of Calif.	Random	HBA, PEP, SIM
Long-Evans-Maxfield	Long-Evans	Random	MDX
Long-Evans (MFL)		Random	MAR
MLM-1	Sprague-Dawley	Random	WEE
MLM-2	Long-Evans	Random	WEE
MLM-3	Wistar Inst.	Random	WEE
MW-3-A (axenic)	Manor Farms	Random - Closed colony	MAL
MW-3-PF (pathogen- free)	Manor Farms	Random - Closed colony	MAL
MW-3-C (conventional)	Wistar Inst.	Random - Closed colony	MAL
Mackesey Farms	Sprague-Dawley	Random	MAC
Maxfield - SD	Sprague-Dawley	Random	MDX
Maxfield-Wistar	Wistar Inst.	Random	MDX

LABORATORY RATS (*Rattus norvegicus*) Continued

Strain Designation	Strain Origin	Breeding System	Code
Osborne-Mendel	NIH	Random	BAO, ROC
Rawley Farms Albino	Holtzman	Random	RAW
RMF Sprague-Dawley	Charles River Breeding Lab., 6 yr ago	Random - Closed colony	MIF
Sherman	Sherman	BxS	NEY
Sherman		Random	CAM, HEM, HIL, NEY, WBS
Simonsen Albino	Sprague-Dawley	Random	SIM
Spartan (SD)	Sprague-Dawley	Random	SPB
Sprague-Dawley/BPL (Sprague-Dawley descendants)		Random	BER
Sprague-Dawley BSF descendant		Random	BLU
Sprague-Dawley descendant		Random	CAM, DIE, FAB, GER, HEM, LAA, NEY, NOR, PUR, RED, ROC, ROL, SPD, THR
Sprague-Dawley descendants	Charles River Breeding Lab. 1960	Random	AAE
Caesarean-derived			
Sprague-Dawley derived	Holtzman to S & S Res.	Random	THP
Sprague-Dawley descendant	Charles River S-D	Random - Closed colony	PEP
Sprague-Dawley descendant	Northwest Rodent Pullman, Wash.	Random	PAC
Sprague-Dawley descendant (MFS)		Random	MAR
Sprague-Dawley descendant		BxS	NEY
Sprague-Dawley descendant	Sprague-Dawley	Selective	HIL
W/Fu	Dr. J. Furth	BxS	SCH
WF/Mai (formerly W/Fu, Furth's Wistar, Wistar/Furth, WR)	Dr. J. Furth	BxS	MIC
Wistar		Linebred	PEX
Wistar		BxS	ZAR
Wistar	Wistar Inst.	Random	ALB, CAM, DIE, GOR, HEM, HIL, LAA, LAN, MIV, OSW, PEX, PUR, ROS, ROY, SIM, STE, STK, THR, WBS, WHI
Wistar	Maxfield-Wistar	Random	WIG
CBL Wistar	Wistar descendants	Random	CAN
H. D. Wistar	Wistar Inst.	Random	HBA
Wistar (MFW)		Random	MAR
Wistar (coefficient of inbreeding 0.9)	Wistar Inst.	Random	MIC
Not designated			HAT, LEM, STE, WHI

HAMSTERS (*Mesocricetus auratus* and Others)

Albino		Random	CHI, MAG, WHI, ZUC
Albino	ARF	Random	ARF
Albino, Blind	Pee Dee Farms	Linebred	WHY
B.U. Berman	Boston Univ.	BxS	DEN
British Cream		BxS	WHY



HAMSTERS (*Mesocricetus auratus* and Others) Continued

Strain Designation	Strain Origin	Breeding System	Code
CB/SsLAK	Billingham and Silvers	BxS	LAK
CBL Golden	Golden Hamsters descendants	Random	CAN
MBR/Chinese Hamster	<i>Cricetulus griseus</i>	Inbred	MBR
Cinnamon-Banded	Unknown	Random	MAG
Chinese		Random	WHI
Cornetti		Random	COV
Cream		Random	MAG, WHI, ZUC
Cream-Banded		Random	MAG, ZUC
Dominant Spot	R. Whitney	BxS	WHY
DUB/GS Golden Syrian	Golden Syrian	Random	DUB
Frost, Blind	Pee Dee Farms	Linebred	WHY
Golden	ARF	Random	ARF, ELM, SIM
Golden, Gerber's	18 yr Gerber's	Random	GER
Golden, White-Banded	Crossed colors	Random	MAG
Hairless	Slater	BxS	WHY
<i>Cricetulus griseus</i> (2n = 22)	Trapped near Peking China in 1948	Random BxS	CHL
JF1/A/B/2Ab			
<i>Cricetulus migratorius</i> (2n = 22)	Trapped near Yerevan, Armenia, S.S.R. in 1963	Random BxS	CHL
JF2			
Lakeview Golden	Assembled from four commercial sources random bred in a closed colony since 1951	Random - Closed colony	LAK
Lethal gray	Slater	BxS	WHY
LHC/LAK (cream- colored mutant)	Lakeview	BxS	LAK
LSH/SsLAK	Billingham and Silvers	BxS	LAK
MBR/GS		Random	MBR
MFS	Manor Farms mutation	BxS 25 gen. May 1966	MAL
MGS	Manor Farms	Random - Closed colony	MAL
MHA/SsLAK (albino mutant)	Billingham and Silvers	BxS	LAK
Mixed colors	ARF	Random	ARF, GER, MAG, WEE
MLM-1 Golden Syrian		Random	WEE
MLM-2 White Coat, Black Ear		Random	WEE
MLM-3 White Coat, Pink Ear		Random	WEE
PD 3, pink-eared white	Pee Dee Farms	BxS (20 gen.)	WHY
PD 4, Partial albino	Pee Dee Farms	BxS (40 gen.)	WHY
Piebald	Larmore	Linebred	WHY
R/HI (Heterochromia iridia amber gold white band)	Mutation from own amber gold-band strain	Random, mostly with BxS when warranted	REI
Silver Gray		Random	ZUC
Syrian Golden		Random	ALB, CHI, HAM, HIL, MAG, MAR, MBR, MDX, OLO, POC, PUR, QUE, RED, STE, WHI, ZUC
Syrian Golden, ENG	Selective from 14-yr- old colony	Random	ENG
Toy Bear Dennen (Golden)	Oulf Hamster	Random	DEN

**HAMSTERS (*Mesocricetus auratus* and Others) Continued**

Strain Designation	Strain Origin	Breeding System	Code
Tumblebrook Farm	Tumblebrook Farm	Random	PUR
WBW golden	R. Whitney	BxS (29 gen.)	WHY
White Band		Random	ZUC
X.XB dark golden	R. Whitney	BxS (13 gen.)	WHY
1 PI Rust	Ingham	BxS (10 gen.)	WHY
1.3 golden		BxS (23 gen.)	WHY
18.16 Dilute	R. Whitney	BxS (13 gen.)	WHY
Not designated		Random	DIE, HAT, LEM, STE, STK

**GUINEA PIGS (*Cavia porcellus*)**

Abyssinian		Random	CZE, HEN, HUL, OSC, WHI
Abyssinian, Osecola		Linebred	OCS
Albino		Random	ALB, ASI, HUL, MYE, OSC, PIR
Albino	Porton-Downs, England	Random	MBR
Albino, Osecola		Linebred	OSC
American		Random	BEI, HUL, LOM, OSC, PEZ
American, Albino		Colony	ISA
American, Albino	ARF	Random	ARF
American, Colors	ARF	Random	ARF
American, Osecola		Linebred	OSC
American, shorthair		Random	CAO, RED
American, smooth-haired		Linebred	HEN
Duncan Hartley		Selective	ASI
English		Controlled	THR
English		Linebred	HEN
English		Random	BAN, CZE, DIE, EDM, GER, GOR, KEM, LEM, MDX, ROC, SCL, STE, WHI, WIG
English	Univ. of Wis.	Random	OBR
English, CBL	English	Random	CAN
English, short-haired, albino		Inbred	STT
English, short-haired, albino		Linebred	STT
English, (short hair) pigmented		Random	ASI
English, short hair, Louisville-Rogers	Dr. James Rogers Univ. of Louisville	Linebred	RES
English, short hair		Random	CAM, HEM, JAJ, LAA, NEA, PEP, WEE
Hamme Strain		BxS	THO
Hartley (free of all commonly occurring diseases)		Selective	LAR
Hartley		BxS	ZAR
Hartley		Linebred	HBA, KAN, RES, THR, ZIM
Hartley		Random	BEI, CAM, DUB, EDM, FAB, HAM, HAT, HEM, HUL, LAA, NEW, POC, QUE, RED
Hartley	Animal Suppliers (London) Ltd.	Random - Closed colony	PEP
Hartley	Ariz. State Univ.	Random	CAO
Hartley	Consult to Tripp to Okuno to Brookside in 1951	Random	BRO

**GUINEA PIGS (*Cavia porcellus*) Continued**

Strain Designation	Strain Origin	Breeding System	Code
Hartley	England	Random	DEN, TWN
Hartley	Porton-Downs, England	Random	MBR
Hartley	Tumblebrook Farm	Random	MAI, SUC
Hartley	From Tumblebrook Farm, 1958 Brant Lake, N.Y.	Random	AAE
Hartley		Selective	HIL, LEO
Hartley, Albino		Random	BAN, LAN
Hartley, Bronze		Random	BAA
Hartley, SPF	Hartley	Linebred	ANB, PEX
Hartley, SPF		Random	ANB, PEX
Hartley, white		Random	BAA, ISA, LAH
Hartley and Scott		Linebred	ARO
Some broken colors			
Hartley and Scott		Random	ARC
MBR/HART	Porton-Downs, England	Random	MBR
Old Dominion	Descendants of 4 original breeders, 1957	Random	OLD
Paine Mountain	Frederick Weston	Inbred	PAI
Rabbitry	Underhill, Vt.		
Peruvian		Linebred	HEN
Peruvian		Random	CZE, HUL, OSC
Peruvian, Osoola		Linebred	OSC
RMF Hartley	Purchased colony from a Mr. Burgess Estate as Hartley's 5 yr ago. Closed colony	Random	MIF
Not designated		Random	ALB, BAA, DAL, ELM, HAT, HAU, ISA, MYE, REA, STE, STK

**CARNIVORA**

**DOMESTIC DOGS (*Canis familiaris*)**

Beagle (registered)		Linebred	ANB, ATK, BAR, COV, CYN, FOD, HIL, MAE, WIP
Beagle (AKC registered)		Random	ATK, COU, DUB, HAS, WHL
Beagle, GHF	GHF	Random	BEG
Beagle (JLQ registered)		Linebred	PEX
Beagle (JLQ registered)		Random	PEX
Beagle		Linebred	AMA, BUK, DOG, HIL, HYL, ROM, THR
Beagle		Random	AMA, CAO, HAT, HYL, LAN, ROM, SAU
Beagle	De-barked	Linebred	POC
Beagle	Norman Stoner	Random	TRI
Beagle	Purebreds but not AKC registered	Random	HOW
Beagle	Developed by Dogs for Research	BxS	DOG
Coonhound		Conditioned	CYN
Fox Hound		Random	SAU
German Shepherd		Linebred	POC, REA

DOMESTIC DOGS (*Canis familiaris*) Continued

Strain Designation	Strain Origin	Breeding System	Code
Labrador Retrievers (AKC registered)		Linebred	WIP
Mongrels			BAR, BUK, CEE, DUB, HOW, LAN, OAD, POC, VEY
Not designated			CAO, CLA, DIE, DOG, HIL, LON, MAZ, MDX, THR

DOMESTIC CATS (*Felis catus*)

Immunised and Conditioned			PEA, VEY, WEE
Not designated		Linebred	HBA
Not designated			ADV, BAR, CLA, CEE, DIE, HIL, LAN, LAM, LON, MAZ, MDX, OAD, POC, STE, THR, WILL, WEG

ARTIODACTYLA - (Even-toed hoofed mammals)

Species	Breeding System	Code
Cattle, Black Angus	Selective	HIL
Cattle, Guernsey	Selective	HIL
Cattle, Holstein	Selective	HIL
Goats, dairy		ADV
Goats		BAA, CLA, HIL, MAZ, OAD, RID, TRA
Sheep		BAA, CLA, HIL, MAZ, TRA
Swine		CLA, MAZ
Swine, Laboo miniature	Linebred	LAD, PEX
Swine, miniature	Random	MAZ, PEX
Swine, Pitman-Moore miniature	Inbred	VTV
Swine, Yorkshire		LON

II

ANIMALS OBTAINED  
FROM NATURE

1

## PROTOZOA

### MASTIGOPHORA

Species	Common Name	Code
Chilomonas sp.*		CON
Chlamydomonas sp.		MIY
Euglena gracilis		MIY
Euglena sp.		CON, STE
Volvox aureus		MIY
	Not designated	PAB

### SARCODINA

Amoeba proteus		MIY, STE
Amoeba sp.		CON
	Not designated	PAB

### CILLATA

Blepharisma sp.		CON
Colpidium sp.		CON
Didinium sp.		CON
Euplotes sp.		CON
Paramecium aurelia		STE
Paramecium bursaria		STE
Paramecium caudatum		MIY, STE
Paramecium sp.		CON
Spirostomum sp.		CON
Stentor coeruleus		MIY
Stentor sp.		CON, STE
Vorticella sp.		CON
	Not designated	PAB

### PORIFERA

Desmachidion palmata	Bay Sponge	HAN
Microcion prolifera	Sponge, red	HAN
Spongilla sp.		CON, PAB, STE

### COELENTERATA

Aequorea forskalea	Nettle, sea	HAN
Aurelia aurita	Jellyfish, moon	HAN
Aurelia sp.	Jellyfish	LEM, STE
Chrysaora quinquecirrha	Nettle, sea	TRs
Gonionemus sp.	Hydroid medusa	LEM, STE
Hydra fusca		STE
Hydra littoralis	Hydra, swift water	STE
Hydra oligactis	Hydra	LEM, MIY

\*In the interest of increased legibility, the customary underlining for the tabulated scientific names has been omitted in this section.

# COELENTERATA Continued

Species	Common Name	Code
Hydra sp.		CON
Marcanthes cooki	Anemone	MAQ
Metridium marginatum	Sea anemone	LEM, STE
Nemopsis sacche	Hydroid	HAN
Oelia sp.	Hydroid, colonial	LEM, STE
Palmarohydra oligactis	Hydra, brown	STE
Physalia sp.	Portuguese Man-Of-War	LEM, STE
Pocillopora, Porites,	Coral	MAQ
Nadroporaria, Fungia,		
Dentrophyllia, Zoanthidae,		
Antipathidae, Cerianthus	Not designated	BAT, FLO, LEM, PAB

# CTENOPHORA

Beroe cucumita	Jelly, comb	HAN
Mnemiopsis leidyi	Walnut, sea, or comb jelly	TRS

# PLATYHELMINTHES

Brachyopoda sp.	Polychaete	MAQ
Clinorchis sinensis	Human liver fluke	LEM
Dipylidium caninum	Tapeworm, dog	LEM, STE
Dugesia dorotocephala	Planaria, black	LEM, STE, WIG
Dugesia tigrina	Planaria, brown	LEM, MIY, STE
Dugesia sp.		STE
Fasciola hepatica	Sheep liver fluke	LEM, STE
Moniezia expansa	Tapeworm, sheep	LEM, STE
Paralichthys dentatus	Fluke, northern	HAN
Pneumoneces	Frog lung flukes	STE
Taenia pisiformis	Tapeworm, serrate dog	STE
Taenia saginata	Tapeworm, beef	LEM
Turbellaria sp.	Polychaete	MAQ
	Planaria, not designated	STE
	Not designated	PAB

# ASCHELMINTHES

# ROTIFERA

Rotifer sp.	CON, STE
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# GASTROTRICHA

Lepidodermella sp.	CON
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# NEMATODA

Species	Common name	Code
<i>Ascaris lumbricoides</i>	Roundworm	LEM, STE
<i>Ascaris</i> sp.	Roundworm	STE
<i>Necator americanus</i>	Hookworm, American	LEM
<i>Trichinella spiralis</i>		STE
<i>Turbatrix aceti</i>	/inagar eel	STE, WIG
<i>Turbatrix</i> sp.		CON
	Nematoda, not designated	PAB

# BRYOZOA

<i>Pectinatella</i>	Fresh water bryozoan	LEM, STE
<i>Plumatella</i> sp.		CON, STE

# SIPUNCULOIDEA

<i>Dendrostromum pyroides</i>	Worm, sipunculid	PAB
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# ECHINODERMATA

<i>Arbacia punctulata</i>	Sea urchin	LEM, STE
<i>Asterias forbesi</i>	Starfish, common	HAN, LEM, STE
<i>Asterias</i> sp.	Starfish	MAQ, MAZ, STE
<i>Cucumaria frondosa</i>	Sea cucumber	STE
<i>Cucumaria</i> sp.	Sea cucumber	LEM, MAQ
<i>Dendroaster</i> sp.	Sea urchin	MAQ
<i>Echinaster</i> sp.	Sand dollar	HAN, LEM, MAZ, STE
<i>Lytechinus pictus</i>	Urchin, Panamanian	PAB
<i>Lytechinus</i> sp.	Sea urchin	MAZ
<i>Mellita testudinata</i>	Urchin, key hole	HAN
<i>Ophioderma</i> sp.	Starfish, brittle	LEM, MAQ, STE
<i>Strongylocentrotus d.</i>	Sea urchin, green	LEM, STE
<i>Strongylocentrotus p.</i>	Sea urchin, purple	PAB
<i>Thyone</i> sp.	Sea cucumber, large	MAZ
	Not designated	BAT, FLO, LEM, PAB

# MOLLUSCA

## GASTROPODA

<i>Acmaea testudinaria</i>	Limpet, common	LEM
<i>Aeolis papillosa</i>	Nudibranch, common northern	LEM
<i>Aplysia californica</i>	Hare, sea	PAB
<i>Bittium alternatum</i>	Hornshell, alternate	HAN
<i>Busycon canaliculatum</i>	Whelk, channeled	HAN
<i>Busycon carica</i>	Whelk, knobbed	HAN
<i>Campeloma</i> sp.	Snail, common	LEM, MAZ, STE
<i>Conidae</i> sp.		MAQ



Species	Common Name	Code
Cypræidae sp.		MAQ
Gonolobasis sp.	Snail, fresh-water	LEM, STE
Helix sp.	Snail, garden	LEM, STE
Limax sp.	Slug, garden	LEM, MAZ, STE, WIG, ZOO
Littorina irrorata	Periwinkle, marsh	HAN, TRS
Littorina sp.	Periwinkle, common	DEN
Megathura crenulata	Limpet, giant keyhole	PAB
Pateallidae sp.		MAQ
Physa sp.	Snail, pond	LEM, REP, STE
Planorbis sp.	Snail, ramshorn	LEM, REP, STE, WHI
Polinices heros	Snail, moon	DEN
Polygyra sp.	Snail, large garden	LEM
Thais lapillus	Dogwinkle, Atlantic	DEN
Urosalpinx cinera	Drill, oyster	HAN
	Gastropoda, not designated	BAT, CON, FLO, PAB

#### PELECYPODA

Anodonta sp.	Clam, fresh-water	LEM, MAZ, STE
Branchiodontes recurvus	Mussel, hooked	TRS
Crassostrea virginica	Oyster, eastern	TRS
Ensis directus	Clam, Atlantic razor	DEN, HAN, LEM
Mya arenaria	Clam, long-neck	DEN, HAN, LEM, STE, TRS
Mytilus edulis	Mussel, edible	CON, DEN, LEM, MAZ
Mytilus recurvus	Mussel, sea	STE
Ostrea virginiana	Oyster, common edible	LEM, MAZ, STE
Pecten irradians	Scallop, common	LEM, STE
Spisula solidissima	Clam, Atlantic surf (hen)	DEN
Unio sp.	Mussel, fresh-water	CON, LEM, STE
Venus mercenaria	Quahog, northern	HAN
Venus sp.	Quahog	LEM, STE
Volsella demissa	Atlantic ribbed mussel	HAN, TRS
Volsella plicatulus	Mussel, ribbed, nonedible	DEN
	Pelecypoda, not designated	BAT, FLO, PAB

#### CEPHALOPODA

Cloixa intestinalis	Grapes, sea	HAN
Loligo pealei	Squid	HAN, LEM, MAZ, STE
Octopus sp.	Octopus	LEM, MAQ, MAZ, STE
	Cephalopoda, not designated	BAT, FLO, PAB

#### ANNELIDA

##### POLYCHAETA

Aeolosoma sp.	Annelid, salt-water	TRS
Amphitrite ornata	Annelid, salt-water	LEM
Chaetopterus pergamentceus	Worm, parchment	HAN
Nereis virens	Clamworm	DEN, HAN, LEM, STE
	Polychaeta, not designated	PAB

# HAETA

Species	Common Name	Code
Aeolosoma sp.	Annelid, fresh-water	CON
Eisenia sp.	Earthworm, fecal	CON, WHI
Enchytracrus sp.	Whiteworm	CON
Lumbricus terrestris	Earthworm, common	LEM, MAZ, STE, WIG
Lumbricus sp.	Earthworm	CON, MAZ, STE, WHI, ZOO
Tubifex sp.	Earthworm, giant	STE
Bloodworm	Bloodworm	MAZ

## HIRUDINEA

Haemopsis grandis	Leech	LEM
Haemopsis narmoratis	Horseleech	LEM, MAZ
Hirudo medicinalis	Leech, medicinal	STE
Macrobdella decora	Leech	LEM
Placobdella sp.	Leech, turtle	LEM
	Leech, not designated	CON, STE

## ARTHROPODA

### MEROSTOMATA

Limulus polyphemus	Crab, king	HAN, LEM, STE
	Crab	MAZ

### ARACHNIDA

Aphonopelma sp.	Tarantula, desert	MAZ, PET, STE, WHI
Argiope sp.	Spider, garden	LEM, STE
Astacus fluviatilis	Crayfish, Oregon	LEM
Centruroides sp.	Scorpion, Florida	LEM, MAZ, PET
Dermocentor variabilis	Tick, wood or dog	LEM, MAZ
Eremobates sp.	Spider, sun	PET
Gramostola mollicoma	Tarantula	STE, TAR
Hadrurus arizonensis	Scorpion, giant hairy	PET, STE
Latrodectus mactans	Spider, black widow	LEM, STE
Limnochares sp.	Mite, red water	LEM
Lycosidae sp.	Spider, wolf	LEM
Ranatra sp.	Scorpion, water	LEM
Tarantula sp.	Scorpion	LEM, STE, WHI
	Spiders, African, not designated	ZOO

### CRUSTACEA

Artemia salina (eggs)	Brine shrimp	STE
Balanus aquila	Barnacle, giant	PAB
Balanus balanicipes	Barnacle, rock	HAN
Balanus balanoides	Barnacle, acorn	LEM
Balanus nubilis	Barnacle, giant	PAB
Balanus sp.	Barnacle, small white	TRS
Callinectes sapidus	Crab, edible blue pinccr	HAN, LEM, MAZ, TRS

## CRUSTACEA Continued

Species	Common Name	Code
<i>Cambarus clarkii</i>	Crayfish, southern	LEM, WIG
<i>Cambarus</i> sp.	Crayfish	CON, LEM, STE, WIG
<i>Cancer antennarius</i>	Crab, cancer	PAB
<i>Cancer borealis</i>	Crab, Jonah	HAN
<i>Cladocera</i> sp.	Daphnia	CON, MAZ
<i>Crago septemspinosus</i>	Shrimp, grass	TRS
<i>Crago</i> sp.		LEM, MAZ
<i>Cyclops</i> sp.		STE
<i>Daphnia magna</i>	Water flea	STE
<i>Daphnia pulex</i>	Water flea	STE
<i>Daphnia</i> sp.	Water flea	LEM, STE
<i>Dualipes ocellatus</i>	Crab, lady	HAN
<i>Eubbranchipus vernalis</i>	Shrimp, fairy	CON, STE
<i>Eurypanopeus depressus</i>	Crab, mud	TRS
<i>Gammarus</i> sp.	Sandhopper	STE
<i>Hippolyte zostericola</i>	Shrimp, grass	HAN
<i>Hippolytidae</i> sp.		MAQ
<i>Homarus americanus</i>	Lobster	LEM, MAZ, STE
<i>Lepas anatifera</i>	Barnacle, goose	LEM, MAZ
<i>Libinia emarginata</i>	Crab, spider	HAN
<i>Mysis stenolepis</i>	Shrimp, opossum or schizopod	LEM
<i>Neopanopeus texano sayi</i>	Crab, southern mud	HAN
<i>Ocypodidae</i> sp.		MAQ
<i>Pagurus</i> sp.	Crab, hermit	CHC, HAN, LEM, MAZ, STE
<i>Paguridae</i> sp.		MAQ
<i>Palaemonetes vulgaris</i>	Shrimp, common or prawn	TRS
<i>Palinuridae</i> sp.		MAQ
<i>Portunidae</i> sp.		MAQ
<i>Raninidae</i> sp.		MAQ
<i>Rithropanopeus harrisi</i>	Crab, mud	TRS
<i>Scyllaridae</i> sp.		MAQ
<i>Squillidae</i> sp.		MAQ
<i>Uca pugnax</i>	Crab, fiddler	HAN, LEM, MAZ, TRS
	Amphipods, not designated	CON
	Copepod, not designated	CON
	Ostracods, not designated	CON
	Not designated	BAT, FLO

## INSECTA

<i>Aeshna</i> sp.	Fly, dragon	LEM
<i>Anasa tristis</i>	Bug, squash	LEM, STE
<i>Anasa</i> sp.	Bug, squash	LEM
<i>Apis mellifera</i>	Bee, honey	LEM, STE
<i>Asellus communis</i>	Bug, common sow	LEM
<i>Benacus griseus</i>	Bug, giant water or electric light	LEM
<i>Blaberus cranifer</i>	Cockroach, southern	CON, LEM, TAR
<i>Blatta germanica</i>	Cockroach, common	CON, LEM, MAZ, TAR
<i>Blatta orientalis</i>	Cockroach, oriental	STE
<i>Bombus</i> sp.	Bee, bumble	LEM, WIG
<i>Bombyx mori</i>	Moth, silkworm	LEM
<i>Calasoma scrutator</i>	Beetle, ground	STE
<i>Camponotus herculeanus</i>	Ant, large black	LEM, STE, WIG
<i>Camponotus</i> sp.	Ant, carpenter	STE
<i>Cantharidae</i> sp.	Beetle, soldier	LEM
<i>Carabidae</i> sp.	Beetle, ground	LEM
<i>Cicindela</i> sp.	Beetle, tiger	STE

## INSECTA Continued

Species	Common Name	Code
<i>Cimex lectularius</i>	Bug, bed	STE
<i>Coccinellidae</i> sp.	Beetle, lady	LEM
<i>Culex</i> sp.	Mosquito	LEM, MAZ, STE
<i>Danaus plexippus</i>	Butterfly, monarch	LEM
<i>Dermestidae</i> sp.	Beetle, dermestid	LEM
<i>Drosophila melanogaster</i>	Fly, fruit	CON, MAZ, STE, WHI
<i>Dystiscus verticalis</i>	Beetle, diving	LEM
<i>Ephemera</i> sp.	Mayfly	LEM
<i>Gammarus locusta</i>	Flea, sand	HAN
<i>Gryllus assimilis</i>	Cricketer, field	STE
<i>Gryllus</i> sp.	Cricketer	STE, MAZ
<i>Gyrinus</i> sp.	Beetle, whirligig	LEM
<i>Lepisma</i> sp.	Silverfish	LEM, WIG
<i>Leptinotarsa decimlineata</i>	Beetle, Colorado potato	LEM
<i>Leptocoris trivittatus</i>	Bug, box elder	CHI
<i>Lethocerus</i> sp.	Bug, electric light	LEM, MAZ, STE
<i>Lucanidae</i> sp.	Beetle, stag	LEM
<i>Magicicada septendecim</i>	Locust, seventeen year	LEM, STE
<i>Mallophaga</i> sp.	Lice, chewing	LEM
<i>Megasoma gyas</i>	Beetle, elephant	TAR
<i>Melanoplus</i> sp.	Grasshopper	LEM, MAZ, STE
<i>Menopon gallinae</i>	Lice, chicken	LEM
<i>Musca domestica</i>	Fly, house	LEM, MAZ, STE, WIG
<i>Oncopeltus fasciatus</i>	Beetle, red milkweed	LEM
<i>Passalus cornutus</i>	Beetle, horned	LEM
<i>Periplaneta americana</i>	Cockroach, American	STE
<i>Phyllophaga</i> sp.	Beetle, June	LEM, STE
<i>Pieris rapae</i>	Butterfly, cabbage	LEM, MAZ, STE
<i>Plecoptera</i> sp.	Fly, stone	LEM
<i>Popillia japonica</i>	Beetle, Japanese	LEM, MAZ
<i>Reticulitermes flavipes</i>	Termite, subterranean	LEM, WIG
<i>Romalea microptera</i>	Grasshopper, lubber	LEM, STE
<i>Samia cecropia</i>	Moth, cecropia	LEM
<i>Sialis infumata</i>	Alderfly, common eastern	LEM
<i>Silpha americana</i>	Beetle, carrion	LEM
<i>Similium</i> sp.	Fly, black	LEM
<i>Sphinx</i> sp.	Moth, sphinx	LEM
<i>Stagmomantis carolina</i>	Mantis, praying	LEM, MAZ, STE
<i>Staphylinidae</i> sp.	Beetle, rove	LEM
<i>Tabanus atratus</i>	Fly, horse	LEM, STE
<i>Tenebrio molitor</i>	Mealworm	CON, LEM, MAZ, STE, TAR, WHI, WIG, WOD
<i>Tibicen</i> sp.	Cicada, dog, day, or dwarf	LEM
<i>Trichodectes</i> sp.	Lice, hog	LEM
<i>Trichoptera</i> sp.	Fly, caddis	LEM
<i>Trogidae</i> sp.	Beetle, skin	LEM
<i>Vespa</i> sp.	Hornet, yellow jacket	LEM, MAZ, WIG
	Not designated:	
	Ants	CON, LEM
	Bees	CON
	Beetles (10 varieties)	MAZ
	Walking stick	STE

## OTHER ARTHROPODA

<i>Julus</i> sp.	Millipede	LEM, MAZ
<i>Scolopendra heros</i>	Centipede, giant desert	PET, STE

## OTHER ARTHROPODA Continued

Species	Common Name	Code
<i>Scolopendra</i> sp.	Centipede	MAZ, STE
<i>Spirobolus</i> sp.	Millipede	MAZ, STE
	Not designated	PAB

## CHORDATA

## TUNICATA

<i>Clona intestinalis</i>	Tunicate	PAB
<i>Molgula manhattensis</i>	Sea squirt	STE

## CYCLOSTOMATA

<i>Entosphenus tridentatus</i>	Lamprey, Pacific	LEM, STE
<i>Eptatretus stoutii</i>	Hagfish	PAB
<i>Ichthyomyzon castaneus</i>	Lamprey, chestnut	LEM
<i>Petromyzon marinus</i>	Lamprey, Atlantic sea	LEM, MAZ, STE
	Lamprey, brook	LEM, STE
	Lamprey, lake	STE
	Not designated	BAT, FLO

## CONDRICTHYES

<i>Cephaloscyllium uter</i>	Shark, swell	PAB
<i>Cephaloscyllium</i> sp.	Shark	MAZ
<i>Heterodontus francisci</i>	Shark, horn	PAB
<i>Heterodontus</i> sp.	Shark	MAZ
<i>Myliobatus freminvillei</i>	Ray, eagle	HAN
<i>Pteroplatea micrura</i>	Ray, butterfly	HAN
<i>Raja eglanteria</i>	Skate, clear-nosed	HAN, LEM
<i>Raja</i> sp.	Skate	MAZ
<i>Rhinoptera quadrilosa</i>	Ray, cow-nosed	HAN
<i>Squalus acanthias</i>	Dogfish, spiny	HAN, LEM, STE
<i>Squalus</i> sp.	Dogfish	HAN, STE
<i>Torpedo californica</i>	Ray, electric	PAB
<i>Urolophus halleri</i>	Ray, sting, round	PAB
	Not designated	BAT, FLO

## OSTEICTHYES

<i>Acipenser oxyrinchus</i>	Sturgeon, common	HAN
<i>Alosa aestivalis</i>	Herring, blueback	TRS
<i>Alosa pseudoharengus</i>	Alewife	HAN, TRS
<i>Alosa sapidissima</i>	Shad, American	TRS
<i>Alutera schoefifi</i>	Filefish, orange	HAN
<i>Amelurus melas</i>	Catfish	LEM, MAZ, STE
<i>Amia calva</i>	Bowfin	LEM, ZOO
<i>Amia</i> sp.	Bowfin	STE
<i>Anchoa mitchilli</i>	Anchovy, bay	TRS
<i>Anguilla bostonensis</i>	Eel, fresh-water	STE

OSTEICHTHYES Continued

Species	Common Name	Code
<i>Anguilla rostrata</i>	Eel, American	HAN, TRS
<i>Apeltes quadrans</i>	Stickleback, four-spined	HAN
<i>Astroscoptes guttatus</i>	Stargazer	HAN
<i>Aulorhynchidae</i>	Tube snout	LEM
<i>Bairdella chrysura</i>	Perch, silver	HAN
<i>Brevoortia tyrannus</i>	Menhaden, Atlantic	TRS
<i>Carassius auratus</i>	Goldfish	MAZ, REP, STE, TRS
<i>Centropristes striatus</i>	Bass, black sea	HAN
<i>Cephalodotus greeni</i>	Sheephead	LEM
<i>Chasmodes bosquianus</i>	Blinny, striped	HAN
<i>Chilomycterus schoepfi</i>	Burrfish	HAN
<i>Cynoscion nebulosa</i>	Squeteague, spotted	HAN
<i>Cynoscion regalis</i>	Weakfish	HAN
<i>Cyprinodon variegatus</i>	Killifish, broad	HAN
<i>Cyprinus</i> sp.	Carp	LEM, MAZ, STE, TRS, ZOO
<i>Dasyatis centroura</i>	Stingray, northern	HAN
<i>Dorosoma cepedianum</i>	Shad, gizzard	TRS
<i>Etheostoma nigrum</i>	Darter, johnny	TRS
<i>Fundulus diaphanus</i>	Killifish, banded	TRS
<i>Fundulus heteroclitus</i>	Mummichog, bull minnow	HAN, TRS
<i>Fundulus luciae</i>	Killifish, Lucy's	HAN
<i>Fundulus majalis</i>	Killifish, striped	HAN, TRS
<i>Gadus callarias</i>	Cod	HAN
<i>Gambusia</i> sp.	Fish, mosquito	STE
<i>Gasterosteus aculeatus</i>	Stickleback, three-spine	LEM
<i>Gobiosoma strombosus</i>	Clingfish	HAN
<i>Gobiosoma boscii</i>	Goby, naked	HAN
<i>Gymnothorax mordax</i>	Eel, moray	PAB
<i>Hippocampus</i> sp.	Sea horse	CHC, LEM, MAZ, STE
<i>Hyporhamphus unifasciatus</i>	Halfbeak	HAN
<i>Hypsoblennius hentz</i>	Blenny, Carolina	HAN
<i>Ictalurus catus</i>	Catfish, white	TRS
<i>Ictalurus nebulosus</i>	Bullhead, brown	LEM, MAZ, TRS
<i>Ictalurus punctatus</i>	Catfish, channel	TRS
<i>Leiostomus xanthurus</i>	Spot	HAN
<i>Lepisosteus</i> sp.	Garpike	LEM, STE, ZOO
<i>Lepomis gibbosus</i>	Pumpkinseed, sunfish	LEM, MAZ, TRS
<i>Lepomis macrochirus</i>	Bluegill	MAZ
<i>Lophius piscatorius</i>	Angler	HAN
<i>Lophopsetta maculata</i>	Sundial	HAN
<i>Lysiososteus osseus</i>	Garfish	LEM, MAZ
<i>Menidia beryllina</i>	Silversides, tidewater	HAN, TRS
<i>Menidia menidia</i>	Silverside, Atlantic	TRS
<i>Merluccius bilinearis</i>	Hake, silver	HAN
<i>Microgobius undulatus</i>	Croaker, Atlantic	HAN
<i>Micropterus salmoides</i>	Bass, Largemouth black	MAZ
<i>Morone americana</i>	Perch, white	HAN
<i>Mugil cephalus</i>	Mullet, striped	HAN
<i>Mugil curema</i>	Mullet, white	HAN
<i>Notropis hudsonius</i>	Shiner, spottail	TRS
<i>Opisthonema oglinum</i>	Herring, thread	HAN
<i>Opsanus tau</i>	Toadfish, oyster	HAN, TRS
<i>Orthopristis chrysopterus</i>	Fish, pig	HAN
<i>Osmerus mordax</i>	Smelt	LEM, MAZ
<i>Peprilus paru</i>	Fish, harvest	HAN
<i>Perca flavescens</i>	Perch, fresh-water	LEM, MAZ, STE, TRS
<i>Phycis regius</i>	Ling, spotted	HAN
<i>Pogonias cromis</i>	Drum, black	HAN

OSTEICHTHYES Continued

Species	Common Name	Code
<i>Pomatomus saltatrix</i>	Fish, blue	HAN
<i>Pomolobus aestivalis</i>	Herring, glut	HAN
<i>Porontus triacanthus</i>	Butterfish	HAN
<i>Porosoma cepedianum</i>	Shad, gizzard	HAN
<i>Poxomis annularis</i>	Crappie, white	MAZ
<i>Prionotus scitulus</i>	Sea robin	HAN
<i>Pseudopleuronectes amer.</i>	Flounder, winter	TRS
<i>Pungitius pungitius</i>	Stickleback, nine-spine	LEM
<i>Rachycentron canadus</i>	Cobia	HAN
<i>Rhinichthys atrialus</i>	Dace, eastern black-nosed	LEM
<i>Rissola marginata</i>	Northern slippery dick	HAN
<i>Roccus americanus</i>	Perch, white	TRS
<i>Roccus saxatilis</i>	Bass, striped	HAN, TRS
<i>Salmo gairdnerii</i>	Trout, rainbow	MAZ
<i>Scaphirhynchus platyrhynchus</i>	Sturgeon, shovel-nosed	LEM, STE
<i>Scomberomorus maculatus</i>	Mackerel, Spanish	HAN
<i>Selene vomer</i>	Lookdown	HAN
<i>Seriola zonata</i>	Fish, rudder (branded)	HAN
<i>Spheroides maculatus</i>	Puffer	HAN
<i>Squatina squatina</i>	Monkfish	HAN
<i>Stenostomus aculeatus</i>	Porgy, southern	HAN
<i>Stenostomus chrysops</i>	Scup	HAN
<i>Stephanolepis hispidus</i>	Filefish	HAN
<i>Strongylura marinus</i>	Needlefish, Atlantic	HAN, TRS
<i>Syngnathus fuscus</i>	Pipefish	HAN
<i>Syngnathus sp.</i>	Pipefish	CHC
<i>Tautoga onitio</i>	Tautog	HAN
<i>Trichiurus lepturus</i>	Fish, cutlass	HAN
<i>Trinectes maculatus</i>	Hog choker	HAN, TRS
<i>Umbra limi</i>	Minnow, mud	LEM
<i>Vomer setapinnis</i>	Moonfish	HAN
	Not designated:	
	Fish, Hawaiian	MAQ
	Fish, rat-tail	LEM
	Fish, tropical	REP, STE
	Not designated	BAT, PAB

AMPHIBIA

Urodela

<i>Ambystoma jeffersoni</i>	Salamander	MAZ, WHI, ZOO
<i>Ambystoma maculatum</i>	Salamander, spotted	REP, STE, ZOO
<i>Ambystoma opacum</i>	Salamander, marbled	LEM, WIG
<i>Ambystoma tigrinum</i>	Salamander, tiger	LEM, REP, STE, ZOO
<i>Amphiuma means</i>	Eel, Congo	LEM, RID, STE, ZOO
<i>Amphiuma tridactylum</i>	Eel, Congo	STE
<i>Desmognathus sp.</i>	Salamander	LEM, WHI
<i>Diemictylus viridescens</i>	Newt, red-spotted	LEM, MAZ, STE, ZOO
<i>Eurycea taylorensis</i>	Salamander, Texas	LEM
<i>Gymnotus electricus</i>	Eels, electric	MAZ, TAR
<i>Necturus maculosus</i>	Mudpuppy	LEM, STE, WIG, ZOO
<i>Plethodon cinereus</i>	Salamander, red-backed	WHI
<i>Salamandra salamandra</i>	Salamander, fire (Europe)	WHI, ZOO
<i>Siren lacertina</i>	Mud eel	STE
<i>Triturus torosus</i>	Newt, Pacific (giant)	LEM, WHI
<i>Triturus viridescens</i>	Newt, water	LEM, STE
<i>Triturus sp.</i>	Newt	MAZ, REP, STE, WHI

Species	Common Name	Code
<i>Aeris gryllus</i>	Frog, cricket	LEM, MAZ
<i>Agalychnis daenicolor</i>	Frog, Mexican green tree	PET
<i>Atelopus varius</i>	Frog, golden	RID
<i>Atelopus</i> sp.	Frog, poison arrow	RID
<i>Bombina bombina</i>	Toad, fire-bellied	WHI, ZOO
<i>Bufo alvarius</i>	Toad, Colorado River	PET
<i>Bufo americanus</i>	Toad, American	LAJ, LEM, MAZ, REP, STE, WHI, ZOO
<i>Bufo blombergi</i>	Toad, Blomberg's	CHC, RID, ZOO
<i>Bufo cognatus</i>	Toad, Great Plains	PET
<i>Bufo debilis</i>	Toad, green	MAZ
<i>Bufo fowleri</i>	Toad, Fowler's	STE
<i>Bufo marinus</i>	Toad, marine	CHC, LEM, MAQ, MAZ, PEW, REP, RID, STE, TAR, ZOO
<i>Bufo mazatlanensis</i>	Toad, sinaloa	PET
<i>Bufo punctatus</i>	Toad, red-spotted	PET
<i>Bufo quereus</i>	Toad, oak	WHI
<i>Bufo retiformis</i>	Toad, little green	PET
<i>Bufo terrestris</i>	Toad, common	LEM, RID, STE
<i>Bufo woodhousii</i>	Toad	STE, WHI
<i>Bufo</i> sp.	Toad	STE
<i>Ceratophrys</i> sp.	Frog, horned	MAZ, RID
<i>Dendrobates</i> sp.	Frog, poison arrow	RID
<i>Gigantorana goliath</i>	Frog, goliath	RID
<i>Hyla arenicolor</i>	Frog, canyon tree	PET
<i>Hyla baudini</i>	Frog, Mexican tree	PET
<i>Hyla cinerea</i>	Frog, green tree	LEM, MAZ, REP, STE, TAR
<i>Hyla crucifer</i>	Spring peeper	LEM, REP, STE, ZOO
<i>Hyla gratiosa</i>	Frog, barking tree	RID
<i>Hyla septentrionalis</i>	Frog, Cuban tree	RID
<i>Hyla squirella</i>	Frog, squirrel tree	TAR
<i>Hyla versicolor</i>	Frog, no. green tree	STE, ZOO
<i>Hyla</i> sp.	Frog, tree	STE
<i>Leptodactylus pentadactylus</i>	Frog, giant leptodactylid	RID, TAR
<i>Phrynohyas spilomma</i>	Frog, poisonous tree	RID
<i>Phrynosoma</i> sp.	Toad, horned	LEM, LOK
<i>Phyllomedusa bi-color</i>	Frog, giant emerald tree	TAR
<i>Phyllomedusa</i> sp.	Frog, red-eyed tree	RID
<i>Pipa pipa</i>	Toad, Surinam	CHC, STE, TAR
<i>Pseudobranchius striatus</i>	Siren, lesser	RID
<i>Rana catesbeiana</i>	Bullfrog	DAL, GOR, HOF, LAJ, LEM, MAZ, REP, RID, STE, WBS, WIG
<i>Rana clamitans</i>	Frog, green	HOF, LAJ, LEM, MAZ, STE, WIG
<i>Rana grillo</i>	Frog, southern bull	RID
<i>Rana heckscheri</i>	Frog, river	RID
<i>Rana palustris</i>	Frog, pickerel	LEM, MAZ, STE
<i>Rana pipiens</i>	Frog, leopard	DAL, HOF, LAJ, LEM, MAZ, STE, WBS, WIG
<i>Rana septentrionalis</i>	Frog, mink	LEM
<i>Rana sylvatica</i>	Frog, wood	LEM, STE
<i>Rana temporaria</i>	Frog, grass	MAZ
<i>Scaphiopus couchi</i>	Toad, Couch's spadefoot	PET
<i>Scaphiopus hammondi</i>	Toad, western spadefoot	PET
<i>Scaphiopus holbrookii</i>	Toad, spadefoot	LEM
<i>Siren lacertina</i>	Siren, greater	RID
<i>Smilisca baudini</i>	Frog, Mexican tree	RID
<i>Xenopus laevis</i>	Frog, South American clawed	STE



Other Amphibia

Species	Common Name	Code
	Not designated: Amphibians, South American	TAR
	Not designated: Amphibians, African, Asian, American	TRE

## REPTILIA

Testudinata

<i>Amyda ferox</i>	Turtle, soft-shelled	LEM, MAZ, REP, STE, TAR, WHI, ZOO
<i>Barbouri</i> sp.	Tortoise, box	MAZ
<i>Batrachemys nasuta</i>	Broad head side neck	TAR
<i>Caretta caretta</i>	Turtle, loggerhead sea	RID
<i>Chelonia mydas</i>	Turtle, green sea	RID
<i>Chelus fimbriata</i>	Turtle, mata mata	CHC, RID, TAR
<i>Chelydra osceola</i>	Turtle, Florida snapping	TAR, ZOO
<i>Chelydra serpentina</i>	Turtle, common snapping	HOF, LEM, MAZ, REP, RID, STE, TRS, WHI, ZOO
<i>Chrysemys picta</i>	Turtle, painted	LEM, REP, STE, WHI, WIG, ZOO
<i>Chrysemys</i> sp.	Turtle	STE
<i>Clemmys guttata</i>	Turtle, common spotted	LEM, STE
<i>Clemmys insculpta</i>	Turtle, wood	LEM, STE, WHI
<i>Deirochelys reticularia</i>	Turtle, chicken	WHI
<i>Dermatemys mawei</i>	Turtle, Central American river	RID
<i>Emys blandingii</i>	Turtle, Blanding's	LEM, REP, STE, WHI, ZOO
<i>Eretmochelys imbricata</i>	Turtle, hawksbill sea	RID
<i>Geoclemys hamiltoni</i>	Turtle, spotted pond	STE, WHI
<i>Geomyda aureolata</i>	Turtle, black bellied	RID
<i>Gopherus agassizi</i>	Tortoise, desert	PET
<i>Gopherus berlandieri</i>	Tortoise, Texas gopher	RID, ZOO
<i>Gopherus polyphemus</i>	Tortoise, gopher	CHC, LOK, REP, RID, TAR
<i>Graptemys pseudogeographica</i>	Terrapin, crescent	LEM, STE
<i>Kinixys</i> sp.	Tortoise, African hingeback	RID
<i>Kinosternon baurii</i>	Turtle, Bauer's mud	TAR
<i>Kinosternon flavescens</i>	Turtle, yellow mud	PET, STE
<i>Kinosternon leucostomum</i>	Turtle, white faced mud	RID
<i>Kinosternon scorpiodes</i>	Turtle, mud	TAR, WHI
<i>Kinosternon sonoriense</i>	Turtle, sonoran mud	PET
<i>Kinosternon</i> sp.	Turtle, mud	CHC, LEM, STE
<i>Lepidochelys kempii</i>	Ridley, Atlantic	RID
<i>Macrochelys temminckii</i>	Turtle, alligator snapping	LEM, RID, STE, ZOO
<i>Malaclemys concentrica</i>	Terrapin, diamond-backed	HAN, TAR
<i>Malaclemys terrapin</i>	Terrapin, no. diamond-back	LEM, TRS
<i>Malaclemys</i> sp.	Turtle, diamond-back	CHC, STE, WHI, ZOO
<i>Platemys platycephala</i>	Turtle, brown side neck	RID, TAR
<i>Platysternon megacephalum</i>	Turtle, Asiatic big-headed	RID
<i>Podocnemis expansa</i>	Turtle, yellow-spotted side neck	CHC, REP, TAR
<i>Podocnemis unifilis</i>	Turtle, orange-spotted side neck	TAR
<i>Podocnemis</i> sp.	Turtle, side neck	RID
<i>Pseudemys elegans</i>	Terrapin, mobile	LEM, LOK, MAZ, STE, WIG
<i>Pseudemys floridiana</i>	Terrapin, Florida	CHC, LOK, WHI
<i>Pseudemys nelsoni</i>	Turtle, Florida red-bellied	CHC, WHI
<i>Pseudemys ornata</i>	Turtle, red-eared	CHC, REP, TAR, WHI
<i>Pseudemys scripta</i>	Terrapin, yellow-bellied	CHC, LOK, STE, TAR

Testudinata Continued

Species	Common Name	Code
<i>Pseudemys succaniensis</i>	Sliders and Cooters, Florida	TAR
<i>Pseudemys</i> sp.		STE, ZOO
<i>Staurotypus salveni</i>	Turtle, giant musk	RID
<i>Sternotherus minor</i>	Turtle, southern musk	CHC, TAR, WHI
<i>Sternotherus odoratus</i>	Turtle, stinkpot musk	LEM, TAR
<i>Terrapene carolina</i>	Turtle, common box	LEM, STE, TAR, WHI, WIG, ZOO
<i>Terrapene major</i>	Tortoise, southern box	CHC, STE
<i>Terrapene ornata</i>	Turtle, painted box	LEM, PET, WHI
<i>Testudo denticulata</i>	Tortoise, South American	CHC, RID, TAR
<i>Testudo elegans</i>	Tortoise, star	RID
<i>Testudo gigantea</i>	Tortoise, giant aldabra	RID
<i>Testudo pardalis</i>	Tortoise, African leopard	PET
<i>Trionyx ferox</i>	Turtle, southern soft-shelled	CHC, LEM
<i>Trionyx</i> sp.	Turtle, soft-shell	RID
	Not designated:	
	Tortoises, Galapagos	FRE
	Turtle, nonsnapping	HOF
	Turtle, South American	TAR

Sauria

<i>Amphisbaena alba</i>	Lizard, white-bellied worm	TAR
<i>Amphisbaena fuliginosa</i>	Lizard, worm	TAR
<i>Anolis carolinensis</i>	Chameleon	CHC, LEM, MAZ, REP, TAR, WHI, ZOO
<i>Anolis equestris</i>	Chameleon, Cuban	CHC, RID
<i>Anolis jamaicensis</i>	Anole, Jamaican giant	RID
<i>Basiliscus basiliscus</i>	Lizard, basilisk	CHC, REP, TAR
<i>Basiliscus plumbifrons</i>	Basilisk, giant green	RID
<i>Basiliscus vittatus</i>	Basilisk, striped	RID
<i>Callisaurus ventralis</i>	Lizard, zebra-tailed	PET
<i>Chamaeleon dilepis</i>	Chameleon, flap-neck	ZOO
<i>Chamaeleon melleri</i>	Chameleon, giant	ZOO
<i>Chamaeleon jacksoni</i>	Chameleon, Jackson's	ZOO
<i>Chamaeleon</i> sp.	Chameleon, true	RID
<i>Cnemidophorus tigris</i>	Whiptail, western	PET
<i>Cnemidophorus sexlineatus</i>	Racerunner, six-lined	LEM
<i>Coleonyx variegatus</i>	Gekko, desert	CHC, REP
<i>Coleonyx bogerti</i>	Gekko, western banded	PET
<i>Cordylus</i> sp.	Lizard, armadillo	ZOO
<i>Crotaphytus collaris</i>	Lizard, collared	CHC, LEM, PET, REP
<i>Crotaphytus wislizeni</i>	Lizard, leopard	PET
<i>Ctenosaura hemilopha</i>	Iguana, false	LOK, MAZ
<i>Ctenosaura h. hemilopha</i>	Iguana, Mexican false	PET
<i>Ctenosaura similis</i>	Iguana, spiny-tailed	CHC, LOK, MAZ, RID
<i>Cyclura baelopha</i>	Iguana, Bahama	RID
<i>Cyclura caimanensis</i>	Iguana, caiman	RID
<i>Cyclura cornutus</i>	Iguana, rhinoceros	CHC, LOK, RID
<i>Cyclura lewisi</i>	Iguana, blue	RID
<i>Cyclura ricordi</i>	Iguana, Ricord's	CHC, LOK, RID
<i>Dipsosaurus dorsalis</i>	Iguana, keel-backed desert	LOK, PET, REP
<i>Dracaena guianensis</i>	Lizard, caiman	RID, TAR
<i>Draco volans</i>	Lizard, flying	RID
<i>Eumeces egregius</i>	Skink, Florida red-tailed	CHC
<i>Eumeces fasciatus</i>	Skink, five-lined	REP
<i>Eumeces schneideri</i>	Skink, Schneider's giant	RID
<i>Gekko gekko</i>	Gekko, tokay	CHC, RID, ZOO

Sauria Continued

Species	Common Name	Code
<i>Gerrhonotus kingi</i>	Lizard, sonoran alligator	PET
<i>Gerrhonotus multicarinatus</i>	Lizard, alligator	CHC, MAZ, PET, WHI
<i>Heloderma horridum</i>	Lizard, beaded	CHC, LOK, MAZ, RID, TAR, ZOO
<i>Heloderma suspectum</i>	Gila monster	CHC, LOK, RID, TAR, ZOO
<i>Hemidactylus mabouia</i>	Gekko	TAR
<i>Holbrookia approximans</i>	Lizard, lesser earless	PET
<i>Holbrookia texana</i> sp.	Lizard, greater earless	PET
<i>Hydrosaurus amboinensis</i>	Lizard, East Indian water	RID
<i>Iguana iguana</i>	Iguana, green	CHC, LOK, MAZ, REP, RID, TAR, WHI
<i>Iguana rhinolepha</i>	Iguana, giant Central American	RID
<i>Iguana</i> sp.	Iguana	LOK, MAZ, ZOO
<i>Lacerta muralis</i>	Lizard, European wall	REP, WHI
<i>Lacerta viridis</i>	Lizard, European green	REP, WHI
<i>Microsaura pumella</i>	Chameleon, dwarf	ZOO
<i>Ophisaurus ventralis</i>	"Snake," glass	CHC, TAR, ZOO
<i>Phrynosoma cornutum</i>	"Horned toad"	CHC, MAZ, REP, TAR, WHI
<i>Polychrous marmoratus</i>	Lizard, marbled	TAR
<i>Sauromalus obesus</i>	Chuckawalla	CHC, PET, REP
<i>Sceloporus cyanogenys</i>	Swift, blue scaly	LEM, REP
<i>Sceloporus c. clarki</i>	Lizard, Clark's spiny	PET
<i>Sceloporus j. jarrovi</i>	Lizard, Yarrow's spiny	PET
<i>Sceloporus m. magister</i>	Lizard, desert spiny	PET
<i>Sceloporus consubrinus</i>	Lizard, eastern fence	PET
<i>Sceloporus undulatus</i>	Swift, fence	LEM, REP, WHI
<i>Sphaerodactylus</i> sp.	Gekko	REP
<i>Tupinambis nigropunctatus</i>	Lizard, golden tegu	CHC, MAZ, RID, TAR
<i>Tupinambis texuigin</i>	Lizard, tegu	CHC, MAZ, REP, RID, TAR
<i>Tupinambis</i> sp.	Lizard tegu	ZOO
<i>Uma notata cowlesi</i>	Lizard, Colorado desert sand	PET
<i>Urocentron castor</i>	Lizard, black flat-tail	TAR
<i>Uromastix</i> sp.	Lizard, spiny-tailed	RID
<i>Uta ornata symmetrica</i>	Lizard, tree	PET
<i>Uta stansburiana stejnegeri</i>	Lizard, side-blotched	PET
<i>Varanus bengalensis</i>	Monitor, Indian	RID
<i>Varanus exanthematicus</i>	Monitor, Savanna	RID
<i>Varanus flavescens</i>	Lizard, yellow monitor	CHC
<i>Varanus gouldi</i>	Monitor, Gould's	ZOO
<i>Varanus griseus</i>	Monitor, desert	RID
<i>Varanus niloticus</i>	Monitor, Nile	RID
<i>Varanus salvator</i>	Monitor, water	CHC, RID, ZOO
<i>Varanus</i> sp.	Monitor, Asian	ZOO
<i>Xantusia vigilia</i>	Lizard, Yucca night	WHI
	Lizards, not designated	EST

Ophidia

<i>Acrochordus javanicus</i>	Snake, elephant trunk	CHC, RID
<i>Agkistrodon bilineatus</i>	Cantil	RID
<i>Agkistrodon contortrix</i>	Copperhead	LEM, MAZ, RID
<i>Agkistrodon mokasen</i>	Copperhead, northern	MAZ, STE, WIG, ZOO
<i>Agkistrodon piscivorous</i>	Cottonmouth	CHC, LEM, MAZ, RID, TAR, ZOO
<i>Anilius scytale</i>	Snake, coral	CHC, TAR
<i>Arizona elegans</i> sp.	Snake, glossy	PET
<i>Atherus</i> sp.	Viper, African bush	ZOO
<i>Atractaspis</i> sp.	Viper, mole	RID

Ophidia Continued

Species	Common Name	Code
<i>Bitis arletana</i>	Adder, puff	RID
<i>Bitis gabonica</i>	Viper, gahoon	CHC, RID, ZOO
<i>Bitis nasicornis</i>	Viper, rhinoceros	CHC, RID, ZOO
<i>Boa anulata</i>	Boa, annulated	CHC
<i>Boa canina</i>	Boa, emerald tree	CHC, MAZ, RID, TAR, ZOO
<i>Boa cookii</i>	Boa, yellow tree	CHC, RID, TAR, ZOO
<i>Boa hortulana</i>	Boa, garden tree	CHC, TAR
<i>Boa sp.</i>		LOK
<i>Boiga dendrophila</i>	Snake, mangrove	RID
<i>Bothrops atrox</i>	Fer-de-lance	CHC, MAZ, RID, TAR
<i>Bothrops hyoprora</i>	Hognose viper	MAZ, TAR
<i>Bothrops nigrovirides</i>	Viper, black and green	TAR
<i>Bothrops numifera</i>	Tommygoff, jumping	RID
<i>Bungarus fasciatus</i>	Krait, banded	CHC, ZOO
<i>Cemophora coccinea</i>	Snake, scarlet	TAR
<i>Cerberus rhynchops</i>	Snake, dog-faced water	RID
<i>Chersydrus granulatus</i>	Snake, wart	RID
<i>Chilomeniscus cinctus</i>	Snake, banded sand	PET
<i>Chionactis occipitalis sp.</i>	Snake, shovelnose	PET
<i>Chironius fuscus</i>	Snake, red whip	TAR
<i>Chironius verde</i>	Snake, green whip	TAR
<i>Chrysopelea ornata</i>	Snake, flying	RID
<i>Clelia clelia</i>	Mussarana	TAR
<i>Coluber constrictor</i>	Racer, black	CHC, MAZ, TAR
<i>Coluber c. foxi</i>	Racer, blue	LEM
<i>Coluber flagellum</i>	Coachwhip	CHC, LOK, TAR
<i>Coluber paludcola</i>	Snake, everglades racer	CHC
<i>Conophis lineatus</i>	Guarda camino	TAR
<i>Constrictor constrictor</i>	Boa, common	CHC, MAZ, RID, TAR, WHI
<i>Constrictor c. imperator</i>	Constrictor, Mexican boa	PET
<i>Constrictor c. rubicauda</i>	Boa, Brazilian red-tail	TAR
<i>Constrictor constrictor sp.</i>	Constrictor, South American boa	PET
<i>Crotalus adamanteus</i>	Rattlesnake, diamond-back	CHC, MAZ, RID, SMI, TAR, ZOO
<i>Crotalus atrox</i>	Rattlesnake, Texas	CHC, MAZ, PET, RID, ZOO
<i>Crotalus c. cercobombus</i>	Sidewinder, Sonoran desert	PET
<i>Crotalus c. laterorepens</i>	Sidewinder, Colorado desert	PET
<i>Crotalus durissus</i>	Rattlesnake, tropical	RID, TAR
<i>Crotalus h. atricaudatus</i>	Rattlesnake, canebrake	RID
<i>Crotalus h. horridus</i>	Rattlesnake, timber	RID
<i>Crotalus l. klauberi</i>	Rattlesnake, green rock	PET
<i>Crotalus m. molossus</i>	Rattlesnake, blacktail	PET
<i>Crotalus scutulatus</i>	Rattlesnake, Mojave	PET
<i>Crotalus tigris</i>	Rattlesnake, tiger	PET
<i>Crotalus viridis</i>	Rattlesnake, prairie	ZOO
<i>Crotalus sp.</i>	Rattlesnake	LEM, ZOO
<i>Cyclagras gigas</i>	Cobra, false water	CHC, TAR
<i>Cylindrophis sp.</i>	Snake, cylinder	RID
<i>Dendroaspis viridis</i>	Mamba, green	RID
<i>Dipsas catesbeii</i>	Snake, snail-eating	TAR
<i>Dispholidus typus</i>	Boomslang	RID, ZOO
<i>Drymarchon corais</i>	Snake, indigo	CHC, LOK, RID, WHI, ZOO
<i>Drymarchon c. corais</i>	Cribo, yellow-tailed	TAR
<i>Drymarchon c. couperi</i>	Snake, Florida indigo	PET, TAR
<i>Drymarchon c. melanurus</i>	Cribo, grey	TAR
<i>Drymarchon c. rubidus</i>	Constrictor, Mexican boa	PET
<i>Echis carinata</i>	Viper, saw-scaled	ZOO
<i>Elaphe guttata</i>	Snake, corn	CHC, TAR

Ophidia Continued

Species	Common Name	Code
<i>Elaphe o. quadrivittata</i>	Snake, yellow rat	MAZ, TAR
<i>Elaphe quadrivittata</i>	Snake, chicken	CHC, WHI
<i>Elaphe spiloides</i>	Snake, gray rat	CHC
<i>Elaphe vulpina</i>	Snake, fox	WHI
<i>Elaphe sp.</i>	Snake, rat (various)	RID, ZOO
<i>Epicrates cenchris</i>	Boa, rainbow	CHC, RID
<i>Epicrates c. cenchris</i>	Boa, Brazilian rainbow	TAR
<i>Epicrates c. maurus</i>	Boa, Colombian rainbow	TAR
<i>Epicrates striatus</i>	Boa, Bahaman	RID
<i>Epicrates subflavus</i>	Boa, Jamaican	RID
<i>Eryx conicus</i>	Boa, Russell's earth	ZOO
<i>Eryx johnii</i>	Boa, sand	CHC, RID, ZOO
<i>Eunectes murinus</i>	Anaconda	CHC, MAZ, RID, TAR
<i>Eunectes notaeus</i>	Anaconda, yellow	RID
<i>Farancia abacura</i>	Snake, red-bellied	TAR, WHI
<i>Gongylophis conicus</i>	Boa, rough sand	RID
<i>Herpeton tentaculatum</i>	Snake, tentacle	RID
<i>Heterodon contortix</i>	Snake, hog-nose	CHC, MAZ, TAR, WIG
<i>Heterodon simus</i>	Snake, southern hog-nose	CHC
<i>Heterodon sp.</i>	Snake, hog-nose	RID, PET
<i>Hypsiglena torquata</i>	Snake, spotted night	PET
<i>Imantodes cenchoa</i>	Snake, blunt-head tree	TAR
<i>Lachesis muta</i>	Bushmaster	RID, TAR
<i>Lampropeltis elapsoides</i>	Snake, scarlet king	CHC, TAR
<i>Lampropeltis getulus</i>	Snake, king	CHC, MAZ, RID
<i>Lampropeltis g. brooksi</i>	Snake, South Florida king	PET
<i>Lampropeltis g. californiae</i>	Snake, California king	PET
<i>Lampropeltis g. floridana</i>	Snake, Florida king	CHC, PET, TAR
<i>Lampropeltis g. holbrooki</i>	Snake, king (speckled)	CHC
<i>Lampropeltis g. splendida</i>	Snake, Arizona king	PET
<i>Lampropeltis g. yumensis</i>	Snake, Yuma king	PET
<i>Lampropeltis goini</i>	Snake, blotched king	CHC
<i>Lampropeltis p. woodini</i>	Snake, Arizona mountain king	PET
<i>Lampropeltis triangulum</i>	Snake, milk	WHI
<i>Lampropeltis sp.</i>	Snake, king	ZOO
<i>Leptophis ahaetulla</i>	Snake, green tree	TAR
<i>Leptophis r. nigromarginatus</i>	Snake, paradise green tree	TAR
<i>Lichanura roseofusca sp.</i>	Boa, rosy	PET
<i>Masticophis bilineatus</i>	Racer, sonoran	MAZ, PET
<i>Masticophis flagellum</i>	Snake, black racer	ZOO
<i>Masticophis f. piceus</i>	Racer, red or black	PET
<i>Micruroides euryxanthus</i>	Snake, Arizona coral	PET
<i>Micrurus fluvius</i>	Snake, coral	CHC, LEM, TAR, ZOO
<i>Micrurus spixi</i>	Snake, coral	TAR
<i>Micrurus sp.</i>	Snake, coral	TAR
<i>Naja melanoleuca</i>	Cobra, African black	RID
<i>Naja naja</i>	Cobra, spectacled	CHC, RID, ZOO
<i>Naja nigricollis</i>	Cobra, black-neck	RID
<i>Naja sp.</i>	Cobra	ZOO
<i>Natrix cyclopten</i>	Snake, green water	CHC, LEM, MAZ, TAR, WHI
<i>Natrix fasciata</i>	Snake, banded water	CHC, TAR
<i>Natrix floridana</i>	Snake, Florida green water	CHC
<i>Natrix sipedon</i>	Snake, water	CHC
<i>Natrix taxispilota</i>	Snake, brown water	CHC
<i>Natrix sp.</i>	Snake, water (various)	RID, ZOO
<i>Opheodrys aestivus</i>	Snake, rough-keeled green	CHC, LEM, TAR
<i>Ophiophagus hannah</i>	Cobra, king	RID
<i>Ophisaurus ventralis</i>	Snake, glass	TAR
<i>Oxybelis acuminatus</i>	Snake, pike-headed	CHC, TAR

Ophidia Continued

Species	Common Name	Code
<i>Oxybelis fulgidus</i>	Snake, long-nosed tree	TAR
<i>Oxybelis</i> sp.	Snake, American vine	RID
<i>Oxyrhopis petola</i>	Coral, false	TAR
<i>Pelamis platurus</i>	Snake, yellow-bellied sea	RID
<i>Phyllorhynchus</i> b. browni	Snake, saddled leafnose	PET
<i>Phyllorhynchus decurtatus</i>	Snake, spotted leafnose	PET
<i>Pituophis cantenifer</i>	Snake, bull	LOK, WHI
<i>Pituophis</i> c. affinis	Snake, bull or gopher	PET
<i>Pituophis</i> m. mugitis	Snake, pine	TAR
<i>Pituophis ruthveni</i>	Snake, Florida pine	CHC
<i>Pituophis</i> sp. (various)	Snake, bull and pine	RID
<i>Pseudoeryx plicatella</i>	Snake, mud	TAR
<i>Pseustes poecilonotus</i>	Cobra, false	TAR
<i>Python curtus</i>	Python, blood	RID, ZOO
<i>Python molurus</i>	Python, Indian rock	ALI, CHC, MAZ, RID, ZOO
<i>Python regius</i>	Python, ball	CHC, RID, ZOO
<i>Python sebae</i>	Python, African rock	CHC, RID, ZOO
<i>Python reticulatus</i>	Python, reticulated	CHC, RID, ZOO
<i>Rhinocellus</i> l. lecontei	Snake, western longnose	PET
<i>Salvadora hexalepis</i> sp.	Snake, western patchnose	PET
<i>Sistrurus miliarius</i>	Rattlesnake, pygmy	CHC, RID, TAR, ZOO
<i>Spilotes pullatus</i>	Spilote, South American rat snake	TAR
<i>Storeria dekayi</i>	Snake, DeKay's	WHI
<i>Storeria occipitomaculata</i>	Snake, red-bellied	LEM
<i>Tantilla</i> sp.	Snake, black-headed worm	PET
<i>Thalerophis richardi</i>	Snake, green tree	CHC
<i>Thamnophis butleri</i>	Garter, Butler's	ZOO
<i>Thamnophis sackenii</i>	Snake, southern ribbon	CHC, TAR
<i>Thamnophis sauritis</i>	Snake, eastern ribbon	WHI
<i>Thamnophis sirtalis</i>	Snake, garter	CHC, STE, TAR, WHI, ZOO
<i>Thamnophis</i> sp.	Snake, garter	LEM, MAZ, PET, STE
<i>Theloternis kirtlandi</i>	Snake, African bird	RID
<i>Trimerisurus</i> sp. (various)	Viper, Asiatic pit	RID
<i>Trimorphodon lambda</i>	Snake, Arizona lyre	PET
<i>Vipera ammodytes</i>	Viper, sand	RID, ZOO
<i>Vipera berus</i>	Viper, European	RID, ZOO
<i>Vipera lebanina</i>	Viper, Lebantine	RID
<i>Vipera russeli</i>	Viper, Russel's	RID, ZOO
<i>Xenopeltis unicolor</i>	Snake, sunbeam	RID
	Snake, not designated:	
	Pythons	EST
	Asian	TRE
	Harmless, Texas, Mexico	LOK
	Sea	RID
	South American	TAR
	Snakes	LOK, SMI, STE

Loricata

<i>Alligator mississippiensis</i>	Alligator, American	LEM, LOK, MAZ, RID, WHI, ZOO
<i>Alligator sinensis</i>	Alligator, Chinese	RID
<i>Caiman fuscus</i>	Caiman, brown	RID
<i>Caiman jacare</i>	Caiman, jacare	RID
<i>Caiman latirostris</i>	Caiman, broad-fronted	RID
<i>Caiman sclerops</i>	Caiman, spectacled	CHC, REP, RID, TAR, ZOO
<i>Caiman</i> sp.	Caiman	LEM, MAZ, WHI
<i>Crocodylus acutus</i>	Crocodile, American	CHC, LOK, MAZ, RID, TAR, ZOO

Loricata Continued

Species	Common Name	Code
<i>Crocodylus cataphractus</i>	Crocodile, slender-snouted	RID
<i>Crocodylus johnstoni</i>	Crocodile, Johnstone's	RID
<i>Crocodylus mindorensis</i>	Crocodile, mindoro	RID
<i>Crocodylus moreleti</i>	Crocodile, Morelet's	CHC, RID
<i>Crocodylus niloticus</i>	Crocodile, Nile	RID, ZOO
<i>Crocodylus palustris</i>	Crocodile, mugger	RID
<i>Crocodylus porosus</i>	Crocodile, salt-water	RID
<i>Crocodylus siamensis</i>	Crocodile, Siamese	RID
<i>Gavialis gangeticus</i>	Gavial, Indian	RID
<i>Melanosuchus niger</i>	Caiman, black	RID, TAR
<i>Osteolaemus osborni</i>	Crocodile, Congo dwarf	RID
<i>Osteolaemus tetraspis</i>	Crocodile, West African dwarf	RID
<i>Palaeosuchus palpebrosus</i>	Caiman, dwarf	RID
<i>Palaeosuchus trigonatus</i>	Caiman, smooth-fronted	CHC, RID, TAR
<i>Toministoma schlegelii</i>	Gavial, Malayan	ZOO
	Crocodiles, not designated	EST

AVESSphenisciformes

<i>Eudyptes crestatus</i>	Penguin, rock-hopper	RID
<i>Pygoscelis adeliae</i>	Penguin, Adelie	RID
<i>Spheniscus demersus</i>	Penguin, jackass	RID
<i>Spheniscus homboldtii</i>	Penguin, Humboldt	CHC, RID, TRE
<i>Spheniscus mendiculus</i>	Penguin, Galapagos	FRE

Struthioniformes

<i>Struthio camelus</i>	Ostrich	CHC, RID
<i>Struthio</i> sp.	Ostrich	FRE

Rheiformes

<i>Rhea</i> sp.	Rhea	CHC, RID, ZOO
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Pelecaniformes

<i>Fregata magnificens</i>	Frigate bird, magnificent	RID
<i>Pelecanus erythrorhynchos</i>	Pelican, American white	RID
<i>Pelecanus occidentalis</i>	Pelican, brown	CHC, MAZ, RID

Ciconiiformes

<i>Ajaia ajaja</i>	Spoonbill, roseate	CHC, FRE, RID, TRE
<i>Anastomus oscitans</i>	Stork, Indian open-billed	RID
<i>Ardeola ibis</i>	Egret, cattle	RID
<i>Ciconia ciconia</i>	Stork, European white	CHC, MAZ
<i>Ciconia nigra</i>	Stork, European black	VAN
<i>Cochlearius cochlearius</i>	Heron, boat-billed	CHC, FRE, MAZ, RID
<i>Ephippiorhynchus senegalensis</i>	Stork, saddle-billed	VAN
<i>Eudocimus alba</i>	Ibis, white	CHC, MAZ, RID
<i>Eudocimus rubra</i>	Ibis, scarlet	CHC, RID, TRE
<i>Ibis leucocephalus</i>	Stork, painted	VAN
<i>Jabiru mycteria</i>	Stork, jabiru	CHC, FRE, VAN

Ciconiiformes Continued

Species	Common Name	Code
<i>Leptoptilus crumeniferus</i>	Stork, marabou	FRE, VAN
<i>Mycteria americana</i>	Ibis, American wood	CHC, FRE, RID
<i>Nycticorax nycticorax</i>	Heron, black-browed night	RID
<i>Plegadis falcinellus</i>	Ibis, glossy	CHC, FRE
<i>Pseudibis papillosa</i>	Ibis, black	RID
<i>Threskiornis aethiopica</i>	Ibis, sacred	RID
<i>Tigrisoma lineatum</i>	Heron, tiger-banded	CHC

Phoenicopteriformes

<i>Phoeniconaias minor</i>	Flamingo, lesser	RID
<i>Phoenicoparrus andinus</i>	Flamingo, Andean	RID
<i>Phoenicopterus chiliensis</i>	Flamingo, Chilean	CHC
<i>Phoenicopterus ruber</i>	Flamingo, common	CHC, FRE, RID
<i>Phoenicopterus</i> sp.	Flamingo	TRE

Anseriformes

<i>Anas platyrhynchos</i>	Duck, mallard	MAZ, TRS, WHI
<i>Anhima cornuta</i>	Screamer, horned	CHC, FRE, RID
<i>Anser anatis</i>	Goose, Chinese white	TRS
<i>Branta canadensis</i>	Goose, Canadian	MAZ, TRS
<i>Caarina moschata</i>	Duck, muscovy	MAZ, TRS, WHI
<i>Chauna chavaria</i>	Screamer, black-necked	CHC, FRE, RID
<i>Chauna torquata</i>	Screamer, crested	RID
<i>Cygnus columbianus</i>	Swan, white	FRE, MAZ
<i>Cygnus melanocoryphus</i>	Swan, black	CHC, FRE
<i>Cygnus olor</i>	Swan, white mute	CHC
<i>Cygnus</i> sp.	Swan, black-necked	CHC
<i>Lophonetta specularoides</i>	Duck, crested	WHI
<i>Psophia virdis</i>	Duck, Pekin	WHI
	Not designated:	
	Duck	LOK
	Goose	ADV, LOK
	Goose, gray toulouse	THR
	Goose, white Chinese	THR
	Goose, white Emden	THR

Falconiformes

<i>Accipiter cooperii</i>	Hawk, Cooper's	WHI
<i>Aquila rapax</i>	Eagle, tawny	CHC
<i>Buteo magnirostris</i>	Hawk, roadside	CHC
<i>Caracara</i> sp.	Caracara	CHC, RID
<i>Circus ferox</i>	Eagle, Indian buzzard	CHC
<i>Coragyps atratus</i>	Vulture, black	MAZ
<i>Falco</i> sp.	Falcon	MAZ, TRE
<i>Herpilia harpyja</i>	Eagle, harpy	CHC
<i>Microhierax</i> sp.	Falconet, pygmy	CHC, TRE
<i>Milvus migrans</i>	Kite, pariah	CHC
<i>Sarcophaga papa</i>	Vulture, king	CHC, TRE
<i>Sagittarius serpentarius</i>	Secretary bird	FRE, RID
<i>Terathopus ecaudatus</i>	Eagle, bateleur	FRE
<i>Vultur gryphus</i>	Condor, Andean	CHC, RID, TRE
	Not designated:	
	Falcon, South American	TAR, WHI
	Falconess, red-thighed	FRE
	Hawk	MAZ



Galliformes

Species	Common Name	Code
<i>Acryllium vulturinum</i>	Guinea fowl	MAZ, RED, RID, TRS
<i>Agriocharis ocellata</i>	Turkey, trio ocellated	FRE
<i>Crax</i> sp.	Currasow	CHC
<i>Chrysolophus amherstiae</i>	Pheasant, Lady Amherst	RED, WHI
<i>Chrysolophus pictus</i>	Pheasant, golden	MAZ, RED, WHI
<i>Colinus virginianus</i>	Quail, bob white	MAZ, TRS
<i>Coturnix coturnix</i>	Quail, coturnix	SHB, TRS
<i>Guttera</i> sp.	Guinea, crested	RID
<i>Lophura nycthemera</i>	Pheasant, silver	RED, WHI
<i>Mitu mitu</i>	Currasow, great razor-billed	CHC
<i>Numida meleagris</i>	Guinea hen, common	RID
<i>Pavo cristatus</i>	Peafowl	CHC, LOK, RED, TRE, TRS
<i>Penelope purpurascens</i>	Guan, crested	RID
<i>Phasianus colchicus</i>	Pheasant, ring-neck	ADV, MAZ, RED, TRS
<i>Phasianus perdix</i>	Quail, chukar	TRS
<i>Phasianus</i> sp.	Pheasant	MAZ, STE
<i>Syrnaticus reevesi</i>	Pheasant, Reeves'	RED
	Pheasants, not designated	LOK, RED

Gruiformes

<i>Anthropoides paradisea</i>	Crane, Stanley	FRE, RID
<i>Anthropoides virgo</i>	Crane, Demoiselle	FRE
<i>Aramidis cajanes</i>	Rail, Cayenne wood	CHC
<i>Balearica pavonia</i>	Crane, crowned	FRE, RID
<i>Botaurus</i> sp.	Bittern, tiger	CHC, RID
<i>Eurypyga helias</i>	Sur-bittern	CHC
<i>Grus antigone</i>	Crane, Sarus	FRE, RID
<i>Grus grus</i>	Crane, European	RID
<i>Psophia crepitans</i>	Trumpeter, common	CHC, FRE
<i>Psophia leucoptera</i>	Trumpeter, white-winged	CHC, RID
<i>Psophia viridis</i>	Trumpeter, green-winged	CHC

Charadriiformes

<i>Actophilornis africanus</i>	Jacana, African	RID
<i>Belonopterus chilensis</i>	Lapwing, southern	FRE
<i>Burhinus superciliaris</i>	Thick-knee, South American	CHC
<i>Jacana spinosa</i>	Jacana, American black	CHC, RID
<i>Larosterna inca</i>	Tern, Inca	CHC, FRE, RID
<i>Charadriidae</i>	Plover, thick-knee	FRE

Columbiformes

<i>Columba livia</i>	Pigeon, domestic	ALI, CZE, HIC, LAN, LEM, LOK, OAD, PAL, RID, STE, THR, WHI, WIG
<i>Columba</i> sp.	Dove, not designated	LOK, MAZ, RID, STE, THR
<i>Peristerid luzonica</i>	Dove, bleeding heart	CHC
<i>Streptopelia</i> sp.	Dove, ringneck	CHC, RED, THR, WHI
	Not designated:	
	Dove, Key West quail	FRE
	Pigeons, barn	HIL
	Pigeon, Goura crowned	STE
	Pigeon, king, carneau	LAN
	Pigeons	RED, RID

Columbiformes Continued

Species	Common Name	Code
	Pigeons, wild	CZE
	Pigeons, yellow-bellied fruit	FRE

Psittaciformes

Agapornis personata	Lovebird, African black-mask	CHC
Agapornis roseicollis	Lovebird, African peach-face	CHC
Amazona ochrocephala	Parrot, yellow-headed	CHC, RID
Anodorhynchus hyacinthomis	Macaw, hyacinth	CHC, MAZ
Ara ararauna	Macaw, blue and gold	CHC, RID
Ara chloroptera	Macaw, red and green	CHC
Ara macao	Macaw, scarlet	CHC, RID
Ara militaris	Macaw, military	RID
Ara sp.	Macaw	TRE
Cacatua sp.	Cockatoo	MAZ, TRE
Eupsittula canicularis	Parrot, half-moon	CHC, WHI
Leptolophus hollandicus	Cockatiel	CHC, MAZ, ZOO
Melopsittacus undulatus	Budgerigar	ZOO
Poliocephalus gullei	Parrot, red-head	MAZ, RID, WHI
Psittacus erithacus	Parrot, African gray	CHC, WHI
	Not designated:	
	Parakeet	RID, WHI, ZOO
	Parrot	WHI

Cuculiformes

Musophagidae	Turaco or touracou	FRE
Tauraco hartlaubi	Plantain-eater, blue-crested	RID
Tauraco leucophus	Touraco, white-crested	CHC, RID
Tauraco sp.	Turaco	RID

Strigiformes

Aegolius acadicus	Owl, saw-whet	WHI
Bubo virginianus	Owl, great-horned	STE, WHI
Nyctea scandiaca	Owl, snowy	WHI
Otus asio	Owl, screech	WHI
Pulsatrix sp.	Owl, spectacled	CHC
Strix varia	Owl, barred	WHI
Tyto alba	Owl, barn	CHC, MAZ
	Owl, not designated	MAZ

Trogoniformes

Pharomacrus mocinno	Quetzal	CHC, RID
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Coraciiformes

Bucorvus leadbeateri	Hornbills, abyss ground	FRE
Bycanistes subcylindricus	Hornbill, casqued	FRE
Chloroceryle americana	Kingfisher, green	RID
Momotus momota	Motmot, blue-crowned	CHC, FRE, RID

Piciformes

Aulacorhynchus haematopygus	Toucanette, green, red rump	CHC
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Piciformes Continued

Species	Common Name	Code
<i>Aulacorhynchus prasinus</i>	Toucanette, emerald	CHC, FRE, RID
<i>Capitonidae</i> sp.	Barbet	FRE
<i>Eubucco bourcierii</i>	Barbet, red-headed	CHC
<i>Lybius leucocephalus</i>	Barbet, white-headed	RID
<i>Megalaima asiatica</i>	Barbet, blue-throated	CHC
<i>Pogoniulus bilineatus</i>	Barbet, golden-rumped tinker	RID
<i>Pteroglossus beauharnaesii</i>	Toucanette, curly-headed	CHC, FRE, RID
<i>Pteroglossus torquatus</i>	Aracari, collared	CHC
<i>Ramphastos cuvieri</i>	Toucan, Cuvier's	CHC
<i>Ramphastos sulfuratus</i>	Toucan, sulphur-breasted	CHC, FRE, RID
<i>Ramphastos swainsoni</i>	Toucan, Swainson's	CHC
<i>Ramphastos toco</i>	Toucan, toco	CHC, FRE, RID
<i>Ramphastos vitellinus</i>	Toucan, white-breasted	CHC, RID
<i>Ramphastos</i> sp.	Toucan	TRE
<i>Selenidera</i> sp.	Toucanette	RID
<i>Semnornis ramphastinus</i>	Barbet, toucan	CHC
<i>Tricholaema diadematum</i>	Barbet, red-fronted	RID

Passeriformes

<i>Acridotheres tristis</i>	Mynah bird	CHC, MAZ, WHI
<i>Agelaius icterocephalus</i>	Marsh bird, yellow-headed	CHC
<i>Amandina</i> sp.	Finch, red	CHC
<i>Cephalopterus ornatus</i>	Bird, ornate umbrella	RID
<i>Chlorophonia occipitalis</i>	Chlorophonia, blue-crowned	CHC
<i>Corvus corax</i>	Raven	MAZ, WHI
<i>Corvus</i> sp.	Crow	MAZ, WHI
<i>Cyanerpes caeruleus</i>	Honeycreeper, yellow-legged	CHC
<i>Cyanerpes cyaneus</i>	Honeycreeper, blue	CHC
<i>Cyanocitta cristata</i>	Bluejay	MAZ, WHI
<i>Estrilda melpoda</i>	Waxbill, orange-cheeked	CHC
<i>Estrilda sublava</i>	Waxbill, gold-breasted	CHC
<i>Exanthoura yncas</i>	Jay, Columbian green	CHC
<i>Gracula religiosa</i>	Mynah, Indian greater hill	CHC
<i>Gymnostinops montezuma</i>	Oropendola, Montezuma	FRE
<i>Icterus icterus</i>	Troupial	CHC
<i>Irena puella</i>	Bluebird, fairy	CHC, MAZ
<i>Lagonosticta senegala</i>	Finch, African fire	CHC
<i>Lipaugus vociferans</i>	Cotinga, common gray	RID
<i>Passer domesticus</i>	Sparrow, English	ALL, LEM, MAZ, STE
<i>Pica hudsonia</i>	Magpie	WHI
<i>Procnias nudicollis</i>	Bell bird, bare-throated	CHC
<i>Ramphocelus carbo</i>	Tanager, silver-beaked	CHC, VAN
<i>Ramphocelus flammigrus</i>	Tanager, orange-rumped	VAN
<i>Ramphocelus icteronotus</i>	Tanager, yellow-rumped	CHC, RID
<i>Ramphocelus passerini</i>	Tanager, scarlet-rumped	CHC, MAZ, RID
<i>Rupicola peruviana</i>	Cock-of-the-Rock, scarlet	CHC, RID
<i>Rupicola rupicola</i>	Cock-of-the-Rock	CHC, FRE
<i>Serinus canarius</i>	Canary	MAZ
<i>Sicalis flaveola</i>	Finch, saffron	CHC
<i>Sturnella militaris</i>	Starling, military	CHC, MAZ
<i>Turdus nudigenis</i>	Robin, bare-eyed	MAZ
	Not designated:	
	Crows	LOK
	Finches	FRE, MAZ
	Honeycreepers	FRE
	Jay, Inca	FRE
	Jay, pega	FRE

Passeriformes Continued

Species	Common Name	Code
	Ravens	LOK
	Tanagers	FRE

## MAMMALIA

Marsupialia

Caluromys lanatus	Opossum, woolly	CHC, TAR, ZOO
Didelphis virginianus	Opossum, American	CHC, HAI, MAZ, RID, SMI, TAR, ZOO
Macropus sp.	Kangaroo	MAZ, TRE
Marmosa cinerea	Opossum, Murine	FRE
Marmosa sp.	Opossum, South American mouse	CHC, ZOO
Metachirus nudicaudatus	Opossum, four-eyed	CHC, FRE, TAR, ZOO

Insectivora

Blarina brevicauda	Shrew, short-tail	WHI
Erinaceus europaeus	Hedgehog, Eurasian	CHC, FRE, INT, RID, ZEE
Erinaceus hindel	Hedgehog, East African	RID
Erinaceus sp.	Hedgehog	ZOO
Hemiechinus sp.	Hedgehog, Pakistan	ZOO
Solenodon paradoxus	Solenodon	ZEE
Suncus sp.	Shrew, musk	ZOO
	Shrew, not designated	MAZ, WHI

Chiroptera

Artebius sp.	Bat, Mexican fruit	ZOO
Desmodus rotunda	Bat, vampire	ZOO
Eptesicus fuscus	Bat, big brown	LEM, MAZ
Myotis lucifuga	Bat, little brown	LEM, MAZ, STE, ZOO

Primata(Tupalidae)

Tupaia glis	Tree shrew	ASI, CHC, INT, JEJ, RID, ZOO
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(Lemuridae)

Lemur catta	Lemur, ring-tailed	RID
Lemur mongoz	Mongoose-lemurs	RID
	Lemur, not designated	MAZ, ZEE

(Lorisidae)

Arctocebus calabarensis	Angwantibo	RID
Galago crassicaudatus	Galago, great	FRE, INT
Galago senegalensis	Lesser bushbaby	INT
Galago sp.	Galago, bushbaby	ASI, HAT, RID, WHI, ZOO
Loris tardigradus	Slender loris	INT
Loris sp.	Slender loris	HAT, RID, ZOO
Nycticebus coucang	Slow loris	FRE

(Lorisidae) Continued

Species	Common Name	Code
Nycticebus sp.	Slow loris	CHC, HAT, INT, RID, ZOO
Perodicticus sp.	Potto	CHC, HAT, INT, RID

(Tarsiidae)

Tarsius spectrum	Tarsier, Celebesan	MAZ, ZOO
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(Cebidae)

Alouatta belzebul	Monkey, black howler	RID
Alouatta palliata	Monkey, red howler	CHC, HAT, INT, JEJ, TAR
Alouatta sp.		ZOO
Aotus trivirgatus	Douroucoul	ASI, CHC, FRE, HAT, INT, JEJ, PEW, PRM, SHA, TAR, TRE, WHI
Aotus sp.	Monkey, night	HAT, RID, ZOO
Ateles fusciceps	Monkey, grey spider	CHC, HAT, RID, TAR, WHI
Ateles geoffroyi	Monkey, golden spider	CHC, FRE, HAT, INT, REP, RID, WHI
Ateles paniscus	Monkey, black spider	ASI, CHC, HAT, RID, TAR
Ateles variegatus	Monkey, black variegated spider	CHC, HAT, JEJ, REP, TAR
Ateles sp.		HAT, PRM, SHA, TRE, ZOO
Cacajao rubicondus	Uakari, red	CHC, FRE, INT
Cacajao sp.		ZOO
Callicebus sp.	Monkey, titi	CHC, HAT, INT, JEJ
Callimico goeldi	Marmoset, Goeldi's	CHC, PEW, RID
Cebus aequatoriales	Monkey, brown capuchin	CHC, HAT
Cebus albifrons	Monkey, cinnamon ringtail	ASI, CHC, FRE, HAT, INT, PEW, PRM, REP, RID, SHA, TAR, WHI
Cebus apella	Monkey, capuchin	ASI, CHC, HAT, INT, JEJ, PRM, RID, SHA, TAR, WHI
Cebus capucinus	Monkey, white-faced capuchin	ASI, CHC, HAT, INT, PRM, REP
Cebus fatuellus	Monkey, Brazilian capuchin	CHC, HAT, REP
Cebus sp.		FRE, HAT, RID, TRE, WHI, ZOO
Chiropotes satanus	Saki, black-bearded	HAT
Lagothrix lagotricha	Monkey, woolly	ASI, CHC, FRE, HAT, INT, PRM, REP, SHA, TAR, TRE, WHI
Lagothrix sp.		ZOO
Pithecia monachus	Monkey, Silver saki	CHC, TAR
Pithecia sp.	Saki	FRE, INT
Saimiri sciurea	Monkey, squirrel	ASI, CHC, FRE, HAT, INT, JEJ, PEW, PRM, RED, REP, RID, SHA, SMI, TAR, TRE, WAY, WHI, ZOO
	Monkeys, African, not designated	EST

(Callithricidae)

Callithrix aurita	Marmoset, white-eared	CHC, FRE
Callithrix sp.	Marmoset	FRE, HAT, JEJ, PRM, REP
		SHA, SMI, TRE
Cebuella penicillata	Marmoset, black-eared	FRE
Cebuella pygmae	Marmoset, pygmy	ASI, CHC, HAT, INT, PEW, REP, RID, TAR, WHI
Hapale chrysoleucus	Marmoset, silky	RID

## (Callithricidae) Continued

Species	Common Name	Code
<i>Hapale jacchus</i>	Marmoset, common	RID
<i>Hapale penicillata</i>	Marmoset, black-plumed	RID
<i>Leontideus rosalia</i>	Marmoset, golden	FRE
<i>Leontocebus leucopus</i>	Tamarin, white-footed	TAR
<i>Leontocebus napo</i>	Tamarin, red-mantled	CHC, TAR
<i>Leontocebus nigricollis</i>	Tamarin, black and red	ASI, CHC, HAT
<i>Leontocebus rosalia</i>	Tamarin, golden lion	HAT, INT
<i>Leontocebus</i> sp.		HAT, PRM
<i>Mico argentata</i>	Marmoset, silver	RID
<i>Oedipomidas oedipus</i>	Pinche, cottontop	ASI, CHC, HAT, INT, PEW, SHA, TAR, WHI
<i>Oedipomidas spixi</i>	Pinche, Spix's	CHC, RID
<i>Tamirinus illigeri</i>	Tamarin, red-mantled	PEW
<i>Tamirinus mystax</i>	Tamarin, white-moustached	TAR
<i>Tamirinus nigricollis</i>	Tamarin, moustached	HAT, INT, TAR
<i>Tamirinus</i> sp.		HAT

## (Cercopithecidae)

<i>Cercocebus albigena</i>	Mangabey, crested	ASI, HAT, RID
<i>Cercocebus fuliginosus</i>	Mangabey, sooty	CHC, FRE, HAT, RID, SHA, WHI
<i>Cercocebus torquatus</i>	Mangabey, red-capped	CHC, RID
<i>Cercocebus</i> sp.	Mangabey	HAT, PRM, TRE, VAN
<i>Cercopithecus aethiops</i>	Guenon	ASI, CHC, HAT, INT, PRM, SHA, VAN, ZEE
<i>Cercopithecus albigularis</i>	Monkey, Syke's	CHC, HAT, INT, RID, SHA
<i>Cercopithecus ascanius</i>	Guenon, black-cheeked and white-nosed	RID, VAN
<i>Cercopithecus ascanius schmidtii</i>	Spot nose	INT
<i>Cercopithecus cephus</i>	Monkey, moustached	HAT, RID
<i>Cercopithecus diana</i>	Monkey, diana	CHC, HAT, RID
<i>Cercopithecus diana roloway</i>	Monkey, diana Rolloway's	RID
<i>Cercopithecus hamlyni</i>	Guenon, Hamlyn's	RID
<i>Cercopithecus mona</i>	Monkey, mona	CHC, HAT, RID, SHA
<i>Cercopithecus neglectus</i>	Monkey, DeBrazza	INT, RID
<i>Cercopithecus nictitans</i>	Guenon, spot-nosed	ASI, HAT, RID
<i>Cercopithecus petaurista</i>	Guenon, spot-nosed lesser	RID
<i>Cercopithecus pygerythrus</i>	Monkey, vervet	HAT, INT, JEJ, PRM, RID
<i>Cercopithecus sabaeus</i>	Monkey, green	BUC, CHC, FRE, HAT, PRM, RED, RID, SHA
<i>Cercopithecus sclateri</i>	Guenon, Sclater's	RID
<i>Colobus abyssinicus matschei</i>	Guereza, Mt. Elgen	INT
<i>Colobus badius</i>	Colobus, black and red	RID
<i>Colobus polykomos</i>	Colobus, black and white	RID
<i>Comopithecus hamadryas</i>	Baboon, hamadryas	BUC, CHC, FRE, HAT, INT, PRM, RID, SHA, TRE, VAN
<i>Erythrocebus patas</i>	Monkey, patas	ASI, CHC, FRE, HAT, INT, JEJ, PRM, RID, SHA, TRE, VAN
<i>Macaca fuscata</i>	Monkey, Japanese	JEJ
<i>Macaca irus</i>	Monkey, cynomolgus	ASI, CHC, HAT, INT, JEJ, PRM, SHA, VAN, WAY
<i>Macaca mulatta</i>	Monkey, rhesus	ALL, ASI, CHC, EVE, FRE, HAT, INT, JEJ, MAZ, PEW, PRM, RED, RID, SHA, TRE, VAN, VIT, WAY, ZEE

(Cercopithecidae) Continued

Species	Common Name	Code
<i>Macaca nemestrina</i>	Monkey, pigtail	ASI, CHC, EVE, FRE, HAT, INT, JEJ, PEW, PRM, RID, SHA, WAY, ZEE
<i>Macaca silene</i>	Wanderoo	RID
<i>Macaca speciosus</i>	Monkey, stump-tail	ASI, CHC, FRE, HAT, INT, JEJ, PEW, PRM, REP, RID, VAN, WAY
<i>Macaca zati</i>	Monkey, bonneted	ASI, HAT, INT, PRM, RID, VIT, ZEE
<i>Magus maurus</i>	Moor	RID
<i>Mandrillus leucophaeus</i>	Baboon, drill	RID
<i>Mandrillus sphinx</i>	Mandrill	CHC, FRE, RID
<i>Mandrillus sp.</i>	Mandrill	TRE
<i>Miopithecus talapoin</i>	Talapoin	CHC, RID
<i>Papio anubis</i>	Baboon, "Guinea"	CHC, HAT, INT, PRM, RID, TRE, VAN, ZEE
<i>Papio comatus</i>	Baboon, Chacma	RID, VAN
<i>Papio cynocephalus</i>	Baboon, yellow	ASI, HAT, PRM, RID, VAN
<i>Papio doguera</i>	Baboon, anubis	ASI, HAT, JEJ, RID, VAN
<i>Papio papio</i>	Baboon, olive	ASI, HAT, PRM, SHA, VAN
<i>Papio sp.</i>	Baboon	HAT, VAN
<i>Presbytis sp.</i>	Langur	INT, RID
<i>Semnopithecus entellus</i>	Langur, sacred	PRM
<i>Semnopithecus sp.</i>	Langur	ASI, CHC, FRE
<i>Theropithecus gelada</i>	Baboon, gelada	BUC, CHC, INT, PRM, RID
<i>Trachypithecus obscurus</i>	Leaf-monkey, dusky	ASI
<i>Trachypithecus pileatus</i>	Leaf-monkey, capped	ASI

(Pongidae)

<i>Gorilla beringei</i>	Gorilla, mountain	VAN
<i>Gorilla gorilla</i>	Gorilla, lowland	FRE, VAN
<i>Gorilla sp.</i>	Gorilla	RID, TRE, VAN, ZEE
<i>Hylobates agilis</i>	Gibbon, agile	ASI, VAN
<i>Hylobates lar</i>	Gibbon, lar	ASI, RID, VAN
<i>Hylobates moloch</i>	Wow-wow	INT
<i>Hylobates sp.</i>	Gibbon	CHC, HAT, PRM, RID, TRE, VAN, ZEE
<i>Pan satyrus</i>	Chimpanzee	CHC, INT, VAN, ZEE
<i>Pan troglodytes</i>	Chimpanzee	VAN
<i>Pan sp.</i>	Chimpanzee	ASI, HAT, JEJ, PRM, RID, TRE, VAN
<i>Pongo pygmaeus</i>	Orangutang	VAN
<i>Pongo sp.</i>		TRE
<i>Symphalangus syndactylus</i>	Siamang	CHC, INT, RID, TRE
	Gibbon, not designated	FRE

(Other Primates)

Not designated:	
Monkey	STE, ZEE
Monkey, African	EST
Monkey, Java	FRE
Primate	VAN, WAY

Edentata

Species	Common Name	Code
Bradypus sp.	Sloth, three-toed	CHC, MAZ
Choloepus didactylus	Sloth, two-toed	CHC, MAZ, TAR
Dasybus novemcinctus	Armadillo	CHC, LOK, RID, SMI, TAR, ZOO
Echidna aculeata	Anteater, spiny	ZEE
Myrmecophaga tridactyla	Anteater, giant	CHC, FRE, RID, TAR, ZOO
Tamandua tetradactyla	Anteater, lesser	CHC, TAR, ZOO

Pholidota

Manis tetradactyla	Pangolin	CHC, TRE, ZEE, ZOO
Manis sp.	Pangolin, Asian	RID

Lagomorpha

Lepus californicus	Jack "rabbit"	MAZ, RID
Oryctolagus cuniculus	Rabbit, see pages 4-6	
Sylvilagus sp.	Rabbit, cottontail	RID

Rodentia

Acomys sp.	Mouse, spiny	MAZ, WHI
Atherurus africanus	Porcupine, brush-tailed	RID
Castor canadensis	Beaver	RID
Cavia porcellus	Guinea pig, see page 18-19	
Chinchilla laniger	Chinchilla, South American	RID
Citellus harrisi	Squirrel, antelope ground	CHC, PET, RID
Citellus lateralis	Squirrel, golden-mantled ground	PET, RID, ZOO
Citellus tereticaudus	Squirrel, roundtail ground	CHC, PET, RID, WHI
Citellus tridecelineatus	Squirrel, 13-lined ground	CHC, RID, WHI
Citellus variegatus	Squirrel, rock	PET, RID, WHI
Citellus sp.	Squirrel, ground	MAX, RID
Clethrionomys sp.	Mouse, red-backed	WHI
Coendou prehensilis	Porcupine, prehensile-tailed	CHC, MAZ, TAR
Cricetulus griseus	Hamster, Chinese	WHI
Cuniculus pace	Paca	CHC, FRE, MAZ, RID, TAR
Cynomys ludovicianus	Prarie dog, plains	RID
Cynomys sp.	Prarie dog	CHC, LOK, ZOO
Dasyprocta aguti	Agouti, golden	CHC, LOK, TAR
Dasyprocta fuliginosa	Agouti, common	CHC, LOK, MAZ, RID, TAR, TRE
Dasyprocta sp.	Agouti	FRE
Dipodomys merriami	Rat, Merriam's kangaroo	PET
Dipodomys spectabilis	Rat, bannertail kangaroo	PET
Dipodomys sp.	Rat, kangaroo	MAZ, PEW, WHI, ZOO
Dipus sp.	Jerboa	RID, ZOO
Dolichotis patagona	Cavy, Patagonian	RID
Erethizon dorsatum	Porcupine, North American	RJD, ZOO
Eutamias dorsalis	Chipmunk, cliff	MAZ, PET
Gerbillus gerbillus	Gerbil	RID
Glaucomys sabrinus	Squirrel, Richardson flying	WHI
Glaucomys volans	Squirrel, eastern flying	CHC, MAZ, PEW, SMI, TAR, WHI, ZOO
Golunda elliotti	Rat, Indian bush	CHC
Hydrochoerus capybara	Capybara	CHC, LOK, RID, TAR, ZOO
Hystrix sp.	Porcupine, African crested	CHC, RID



Rodentia Continued-

Species	Common Name	Code
<i>Marmota monax</i>	Woodchuck, or marmot	RID, WHI, ZOO
<i>Meriones unguiculatus</i>	Gerbil, Mongolian	BEI, CHI, DEN, PUR, TUM, WHI, WIN, ZOO
<i>Meriones</i> sp.	Jird	RID
<i>Mesocricetus auratus</i>	Hamster, golden (or Syrian golden), see page 16-18	
<i>Microtus pennsylvanicus</i>	Vole, meadow	WHI
<i>Mus musculus</i>	Laboratory mouse, see pages 6-14	
<i>Myocaster coypus</i>	Nutria	CHC, MAZ, RID
<i>Myoprocta</i> sp.	Agouti, tailed	CHC, TAR
<i>Neotoma albigula</i>	Rat, white-throated pack	PET
<i>Neotoma lepida</i>	Rat, desert pack	MAZ
<i>Ondatra zibethica</i>	Muskrat	LEM, MAZ, RID
<i>Onychomys torridus</i>	Mouse, grasshopper	PET, WHI
<i>Oryzomys palustris</i>	Rat, rice	WHI
<i>Perognathus amplus</i>	Pocket mouse, Arizona	PET
<i>Perognathus baileyi</i>	Pocket mouse, Bailey's	PET
<i>Perognathus flavus</i>	Pocket mouse, silky	PET
<i>Perognathus penicillatus</i>	Pocket mouse, desert	PET, WHI
<i>Peromyscus boyleyi</i>	Mouse, brush	PET
<i>Peromyscus eremicus</i>	Mouse, cactus	PET
<i>Peromyscus leucopus</i>	Mouse, white-footed	WHI
<i>Peromyscus maniculatus</i>	Mouse, deer	MAZ, PET
<i>Peromyscus</i> sp.	Mouse, deer	WHI
<i>Pitymys pinetorum</i>	Mouse, pine	WHI
<i>Rattus norvegicus</i>	Laboratory rat, see pages 14-16	
<i>Sciurus carolinensis</i>	Squirrel, cat	TAR
<i>Sciurus niger</i>	Squirrel, fox	MAZ, WHI
<i>Sciurus variegatus</i>	Squirrel, red	TAR, WHI
<i>Sciurus</i> sp.	Squirrel	MAZ, WHI
<i>Sigmodon hispidus</i>	Rat, cotton	PET, TUM, WHI
<i>Tamias striatus</i>	Chipmunk, eastern antelope	WHI
<i>Tamias</i> sp.		WHI, ZOO
	Mouse, not designated:	
	Canyon, English, English waltzing	WHI
	Hairless	WHI
	House (agouti), Japanese waltzing, permanent wave, Rex coated, two-tone, woolly	WHI
	Wild	RID
	Wild rats, not designated	RID, SMI

Cetacea

<i>Coryphaena hippurus</i>	Dolphin	HAN
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Carnivora

<i>Acinonyx jubatus</i>	Cheetah	RID, TRE, ZOO
<i>Ailurus fulgens</i>	Panda, lesser	FRE
<i>Alopex lagopus</i>	Fox, Arctic	RID
<i>Arctonyx collaris</i>	Hog-badger	RID
<i>Arctictis binturong</i>	Binturong	FRE, RID
<i>Bassaricyon</i> sp.	Olingo	CHC, TAR
<i>Canis adustus</i>	Jackal, side-striped	RID
<i>Canis aureus</i>	Jackal, Asiatic	RID

## Carnivora Continued

Species	Common Name	Code
<i>Canis dingo</i>	Dingo	LOK, RID
<i>Canis latrans</i>	Coyote	HAI, MAZ, RID, ZOO
<i>Canis lupus</i>	Wolf, grey or timber	RID, ZOO
<i>Chrysocyon brachyurus</i>	Wolf, maned	RID
<i>Crocuta crocuta</i>	Hyena, spotted	RID
<i>Euarctos americanus</i>	Bear, American black	RID
<i>Felis bieti</i>	Cat, desert	RID
<i>Felis bengalensis</i>	Cat, leopard	RID
<i>Felis concolor</i>	Cougar, mountain lion and puma	CHC, FRE, RID, TAR, ZOO
<i>Felis geoffroyi</i>	Cat, Geoffroy's	RID
<i>Felis libyca</i>	Cat, African wild	RID
<i>Felis nigripes</i>	Cat, African black-footed	RID
<i>Felis onca</i>	Jaguar	CHC, RID, TAR
<i>Felis pajeros</i>	Cat, pampas	RID
<i>Felis pardalis</i>	Ocelot	CHC, RID, TAR, ZOO
<i>Felis serval</i>	Serval	RID
<i>Felis silvestris</i>	Wildcat	CHC, MAZ
<i>Felis temminckii</i>	Cat, golden	RID
<i>Felis tigris</i>	Tiger	CHC, FRE, RID, TRE
<i>Felis tigris longipilis</i>	Tiger, Siberian	FRE
<i>Felis viverrina</i>	Cat, fishing	RID
<i>Felis wiedii</i>	Cat, margay	RID
<i>Fennecus serda</i>	Fox, fennec	RID
<i>Grisson sp.</i>	Grisson	CHC, FRE, TAR
<i>Gulo gulo</i>	Wolverine	FRE, RID
<i>Helarctos malayanus</i>	Bear, Malayan sun	RID
<i>Herpailurus yagouaroundi</i>	Jaguarondi	CHC, RID, TAR
<i>Herpestes mungo</i>	Mongoose	MAQ
<i>Hyaena brunnea</i>	Hyena, brown	RID
<i>Hyaena hyaena</i>	Hyena, striped	RID
<i>Leo sp.</i>	Lion	CHC, FRE, RID, TRE, ZOO
<i>Lutra canadensis</i>	Otter, Canadian	ZOO
<i>Lutra sp.</i>	Otter	CHC, TAR, TRE
<i>Lycaon pictus</i>	Hunting dog, African or Cape	FRE
<i>Lynx canadensis</i>	Lynx, Canadian	RID
<i>Lynx caracal</i>	Lynx, caracal	RID
<i>Lynx lynx</i>	Lynx, Siberian	FRE
<i>Lynx rufus</i>	Bobcat	RID
<i>Meles meles</i>	Badger, Old World	RID
<i>Mellivora capensis</i>	Ratel or honey badger	FRE, RID
<i>Melursus ursinus</i>	Bear, sloth	RID
<i>Mephitis mephitis</i>	Skunk	CHC, HAI, LOK, MAZ, RID, TAR, WHI, ZOO
<i>Mustela furo</i>	Ferret	HAI, MAS, MAZ, RID
<i>Mustela vison</i>	Mink	MAZ
<i>Mustela sp.</i>	Weasel	MAZ, WHI
<i>Nasua narica</i>	Coatiundi, gray	CHC, LOK, MAZ, RID, TAR
<i>Nasua nasua</i>	Coatiundi, red	CHC, FRE, LOK, MAZ, RID, TAR
<i>Nasua sp.</i>	Coatiundi	ZOO
<i>Neofelis nebulosa</i>	Leopard, clouded	RID
<i>Noctifelis sp.</i>	Margay	CHC
<i>Nyctereutes procyonoides</i>	Dog, Japanese raccoon	RID
<i>Odobenus rosmarus divergens</i>	Walrus	FRE
<i>Otario byronia</i>	Sea lion, South American maned	RID
<i>Otocyon megalotis</i>	Fox, African big-eared	RID
<i>Panthera pardus</i>	Leopard, African	FRE, RID
<i>Panthera sp.</i>	Leopard	CHC, RID, TRE

Carnivora Continued

Species	Common Name	Code
<i>Potos flavus</i>	Kinkajou	CHC, FRE, LOK, MAZ, TAR
<i>Procyon lotor</i>	Raccoon	CHC, DEN, HAI, LEM, LOK, MAZ, RID, SMI, TAR, ZOO
<i>Proteles cristatus</i>	Aardwolf	RID
<i>Pteromura brasiliensis</i>	Otter, giant	FRE
<i>Belonarctos thibetanus</i>	Bear, Asiatic black	RID
<i>Speothus venaticus</i>	Bush dog	CHC, TAR
<i>Spilogale ambarvalis</i>	Civet cat	MAZ
<i>Spilogale putorius</i>	Skunk, spotted	CHC, MAZ, RID, WHI, ZOO
<i>Taxidea sp.</i>	Badger, American	CHC, FRE, RID, ZOO
<i>Tayra barbata</i>	Tayra	CHC, RID, TAR, ZOO
<i>Thalarctos maritimus</i>	Bear, polar	RID
<i>Tremarctos ornatus</i>	Bear, spectacled	RID
<i>Uncia uncia</i>	Leopard, snow	RID
<i>Urocyon sp.</i>	Fox, gray	CHC, HAI, MAZ, RID, TAR
<i>Ursus arctos</i>	Bear, Alaskan brown	RID
<i>Vulpes fulva</i>	Fox, red	CHC, HAI, MAZ, RID, TAR
<i>Vulpes pallidus</i>	Fox, pale	CHC, FRE
<i>Vulpes velox</i>	Fox, kit	RID
<i>Zalophus californianus</i>	Sea lion, California	FRE, RID
	Zoo animals, not designated	VAN

Tubulidentata

<i>Oryzomys afer</i>	Aardvark	CHC, FRE, RID, ZEE
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Proboscidea

<i>Elephas maximus</i>	Elephants, Asiatic or Indian	FRE
<i>Loxodonta africana</i>	Elephants, African	FRE

Hyraconidae

<i>Heterohyrax syriacus</i>	Hyrax, rock	RID
<i>Hyrax capensis</i>	Hyrax	CHC

Perissodactyla

<i>Ceratotherium simum</i>	Rhinoceros, white or square-lipped	FRE
<i>Diceros bicornis</i>	Rhinoceros, African black	FRE
<i>Equus burchelli</i>	Zebra, Grant's	FRE
<i>Equus grevyi</i>	Zebra, Grevy's	FRE
<i>Equus zebra</i>	Zebra, mountain	FRE
<i>Tapirus bairdi</i>	Tapir, Baird's	RID
<i>Tapirus indicus</i>	Tapir, Malayan	RID
<i>Tapirus roulini</i>	Tapir, woolly	RID
<i>Tapirus terrestris</i>	Tapir	CHC, RID, TAR, TRE
<i>Tapirus sp.</i>	Tapir	FRE
	Donkey, pygmy, not designated	FRE
	Horses, not designated	CLA, HIL, REA
	Ponies, not designated	BAR, OAC
	Zebras, Damara, not designated	FRE

Artiodactyla

Species	Common Name	Code
<i>Ammotragus lervia</i>	Sheep, soudad	RID
<i>Antilocapra americana</i>	Antelope, pronghorn	RID
<i>Auchenia glama</i>	Llama, South American	RID
<i>Antilope cervicapra</i>	Blackbuck	CHC, RID
<i>Axis axis</i>	Deer, axis	RID
<i>Bison bison</i>	Bison, American	RID
<i>Bos grunniens</i>	Yak	FRE, RID
<i>Camelus dromedarius</i>	Camel	FRE, RID
<i>Cervus canadensis</i>	Elk, American	RID
<i>Choeropsis liberiensis</i>	Hippopotamus, pygmy	RID
<i>Dama dama</i>	Deer, fallow	FRE
<i>Dama sp.</i>	Deer, fallow	RID
<i>Lama glama</i>	Llama	CHC
<i>Lama huanca</i>	Guanao	CHC, FRE, RID
<i>Mosama americana</i>	Deer, brocket	RID
<i>Odocoileus hemionus</i>	Deer, mule	RID
<i>Ovis montanus</i>	Sheep, mouflon	RID
<i>Ovis montanus</i>	Acoudad	CHC
<i>Sika sp.</i>	Deer, sika	RID
<i>Tayassu sp.</i>	Peccary	LOK, RID, ZOO
	Not designated:	
	Hog, African Guinea	CAO
	Buffalo, Male Congo	FRE
	Deer, Costa Rican	FRE
	Goat, pygmy	CHC

Other Mammals

Not designated	TRE, VAN
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III

TISSUES AND  
FLUIDS

## TISSUES AND FLUIDS

Pituitary and other glands from 34 species of marine life.

HAN

Serum: Available from 21 inbred strains and 6 hybrids (mice). Serum prepared from pooled blood collected by terminal bleeding of a particular strain of mice.

Whole Blood: Available from 21 inbred strains and 6 hybrids (mice). All requests processed to order.

Fresh Frozen Organs from Inbred Strains of Mice: Organs collected from exsanguinated, healthy, mature mice of various ages, refrigerated during collection, and immediately frozen to -20°F. All requests processed to order. Details on above on request.

JAX

Tissues from cows and sheep.

LEM

Embryos, blood, body fluids, glands (thymus, adrenal, mammary, etc.), eyes, brains, liver, spleen, hide, joints, horns of: bovine, sheep, horses, goats, and calves (except embryos). All parts and blood of turkeys, chickens, rabbits.

MAZ

Tissues from rabbits, guinea pigs, hamsters, mice, rats, cats, dogs, chickens, monkeys, frogs, and turtles. Sterile and nonsterile rabbit serums. Over 700 items.

PEL

Tissue of various mammalian forms in special fixatives.

WIG

# **IV**

## **LABORATORY ANIMAL EQUIPMENT AND MATERIALS**

# MANUFACTURERS OF LABORATORY ANIMAL FEED

Cats	AGW, ALL, ANF, ATO, CAE, CHF, FIF, GEK, GEP, HED, NUT, OLM, QUA, RAL, TEK, THV
Dogs	AGW, ALL, ANF, ATO, CAE, CHF, ESH, FIF, GEK, GEN, GEP, HAM, HED, MUR, NUM, NUT, OLM, PRI, QUA, RAL, SHF, STR, TEK, THV, WIR
Guinea Pigs	AGW, ALL, ANF, CAE, CAM, CHF, ESH, FIF, GEK, GEP, HEM, NUT, PRI, RAL, SKI, TEK
Hamsters	AGW, ALL, ANF, CAE, CHF, FIF, GEK, GEP, MOY, NUT, OLM, RAL, TEK
Mice	AGW, ALL, ANF, CAE, CAM, CHF, FIF, GEK, GEP, HEM, MOY, NUT, OLM, PRI, RAL, STR, TEK
Poultry	ALL, ANF, CHF, ESH, FIF, GEK, HAM, MUR, NUM, NUT, OLM, PRI, RAL, SHF, SKI, WIR
Primates	AGW, ALL, ANF, CAE, CHF, FIF, GEK, NUT, OLM, PRI, RAL, STR, TEK
Rabbits	AGW, ALL, ANF, CAE, CAM, CHF, ESH, FIF, GEK, GEP, HEM, MUR, NUM, NUT, RAL, SHF, TEK, WIR
Rats	AGW, ALL, ANF, CAE, CAM, CHF, FIF, GEK, GEP, HEM, MOY, NUT, OLM, PRI, RAL, SKI, STR, TEK
Other Animals	Beaver—OLM; Cattle—RAL; Domestic animals (all)—GEK; Farm animals (all)—ESH; Fish—BIO; Fur-bearing animals (all)—GEK; Goats—ANF; Goldfish—AQU; Horses—ANF; Pigs—ANF; Sheep—RAL; Tropical fish—AQU; Turtles—AQU; Zoo animals—RAL
Special Diets	Experimental diets—THE; Low-calorie diets for rodents and dogs—OLM; Salt-free diets for rodents—OLM; Soy and protein diets for poultry—SKI; Test diets—GEK

# MANUFACTURERS OF LABORATORY ANIMAL EQUIPMENT—WASHING MACHINES

ANIMAL CAGE	Rotary	ALC, ALV, BEY, INC, IND, PER, PRP, RAM, SOU, WRI
	Tunnel	ALC, ALV, BEY, FOR, FIR, INC, IND, PER, RAM, SOU, SPC, WRI
	Cabinet	ALC, ALV, BEY, FOR, GIR, HEI, INC, IND, PER, PRP, RAM, SOU, SPC, WRI
	Other	Conveyor indexing—SOU; One- and two-door pass-through—BEY; Oscillating—GIR; Walk-in with bacteriological cleaning equipment—BEY
RACK	Rotary	ALC, BEY, FOR, IND, PER, RAM
	Tunnel	ALC, ALV, BEY, GIR, INC, IND, PER, RAM, SOU, SPC, WRI
	Cabinet	ALC, ALV, BEY, FOR, GIR, HEI, INC, IND, PER, RAM, SOU, SPC, WRI
	Other	Booth (walk-in)—SOU; Conveyorized rack and cabinet—ALV; One- or two-door pass-through—BEY; Oscillating—GIR; Ultrasonic—ALC, BLC, WIE
WATER BOTTLE	Rotary	ALC, ALV, BEY, FOR, IND, PER, RAM, SOU
	Tunnel	ALV, BEY, GIR, IND, RAM, SOU, SPC, WRI
	Cabinet	ALV, BEY, GIR, HEI, IND, PER, RAM, SOU, SPC, WRI
	Other	Ultrasonic—ALC, BLC, SOU, WIE



# MANUFACTURERS OF LABORATORY ANIMAL CAGES

Animal	Stainless Steel	Galvanized Metal
Mice	ABC, ACM, ALO, AME, AMQ, AML, ANM, ANQ, AQU, ATM, BAQ, BUS, CAE, COC, COM, DIA, FOF, GRE, HAH, HAO, HER, HOE, KEY, LAC, LAF, LEN, LEN, MET, PER, POR, REY, SCK, SIR, SPC, UNI, UNQ, VOL, WAH, WAL, WYI	ABC, ACM, ALO, AME, AMQ, ANM, ANQ, APC, BAQ, BUS, CAE, CEN, COC, COM, DIA, FIS, FOF, GRE, HAH, HAO, HER, HOE, KET, KEY, LAB, LAF, LEN, MET, PER, POR, SCK, SIR, UNI, UNQ, WAH, WAL, WOC, WYI
Rats	ABC, ACM, ALO, AME, AMQ, ANM, ANQ, ATM, BAQ, BUS, CAE, COC, COM, FOF, GRE, GRE, HAH, HAO, HER, HOE, KEY, LAC, LAF, LEN, LEN, MET, NUC, PER, POR, REU, REY, SCK, SIR, SPC, UNI, UNQ, VOL, WAH, WAL, WYI	ABC, ACM, ALO, AME, AMQ, ANM, ANQ, BAQ, BUS, CAE, CEN, COC, COM, FIS, FOF, GRE, HAH, HAO, HER, HOE, KET, KEY, LAB, LAF, LEN, MET, PER, POR, REU, SCK, SIR, UNI, UNQ, WAH, WAL, WOC, WYI
Guinea Pigs	ABC, ACM, ALO, AME, AMQ, AMQ, ANM, ANQ, ATM, BAQ, BUS, CAE, COC, COM, FOF, GRE, GRE, HAH, HAO, HER, HOE, KEY, LAC, LAF, LEN, LEN, MET, NUC, PER, POR, REU, REY, SCK, SIR, SPC, UNI, UNQ, VOL, WAH, WAL, WYI	ABC, ACM, ALO, AME, AMQ, AMQ, ANM, ANQ, BAQ, BUS, CAE, CEN, COC, COM, FIS, FOF, GRE, HAH, HAO, HER, HOE, KET, KEY, LAF, LEN, MET, PER, POR, REU, SCK, SIR, UNI, UNQ, WAH, WAL, WYI
Hamsters	ABC, ACM, ALO, AME, AMQ, ANM, ANQ, AQU, ATM, BAQ, BUS, CAE, COC, COM, FOF, GRE, HAH, HAO, HER, HOE, KEY, LAC, LAF, LEN, LEN, MET, PER, POR, SCK, SIR, SPC, UNI, UNQ, VOL, WAH, WAL, WYI	ABC, ACM, ALO, AME, AMQ, ANM, ANQ, APC, BAQ, BUS, CAE, CEN, COC, COM, FIS, FOF, HAH, HAO, HER, HOE, KET, KEY, LAB, LAF, LEN, MET, PER, POR, SCK, SIR, UNI, UNQ, WAH, WAL, WOC, WYI
Rabbits	ABC, ACM, ALO, AME, AMQ, AMQ, ANM, ANQ, ATM, BAQ, BUS, CAE, COC, COM, FOF, GRE, HAH, HAO, HER, HOE, KEY, LAC, LAF, LEN, LEN, MET, PER, POR, REU, SCK, SIR, SPC, UNI, UNQ, VOL, WAH, WYI	ABC, ACM, ALO, AME, AMQ, AMQ, ANM, ANQ, BAQ, BUS, CAE, COC, COM, FIS, FOF, GRE, HAH, HAO, HER, HOE, KET, KEY, LAF, LEN, MET, PER, POR, REU, SCK, SIR, UNI, UNQ, WAH, WYI
Dogs	ABC, ACM, ALJ, ALO, AME, AMQ, ANM, ANQ, ATM, BAQ, BUS, CAE, COC, COM, EVS, FOF, GEP, GRE, HAH, HAO, HER, HOE, KEY, LAC, LAF, LEN, LEN, MET, PER, POR, PRV, SCK, SIR, SPC, UNI, UNQ, VOL, WAH, WYI	ABC, ACM, ALJ, ALO, AME, AMQ, ANM, ANQ, BAQ, BUS, CAE, COC, COM, EVS, FOF, GEP, GRE, HAH, HAO, HER, HOE, KET, KEY, LAF, LEN, MET, PER, POR, PRV, SCK, SIR, UNI, UNQ, WAH, WYI
Cats	ABC, ACM, ALJ, ALO, AME, AMQ, ANM, ANQ, ATM, BAQ, BUS, CAE, COC, COM, EVS, FOF, GRE, HAH, HAO, HER, HOE, KEY, LAC, LAF, LEN, LEN, MET, PER, POR, PRV, SCK, SIR, SPC, UNI, UNQ, VOL, WAH, WYI	ABC, ACM, ALJ, ALO, AME, AMQ, ANM, ANQ, BAQ, BUS, CAE, COC, COM, EVS, FIS, FOF, HAH, HAO, HER, HOE, KET, KEY, LAF, LEN, MET, PER, POR, PRV, SCK, SIR, UNI, UNQ, WAH, WYI

Aluminum	Plastic	Glass	Other Material
ABC, ACM, AME, ATM, BAQ, CAE, CEN, COM, DIE, FOF, HAO, HOE, KEY, LAC, LEN, LEH, MET, REY, UNI, UNO, WYI	ABC, AME, ANQ, AQU, CAP, COC, COS, DIE, FIS, HAO, HOP, KEY, LAB, LEN, MBS, MDM, MED, PAT, PER, REY, UNI, UNO, WID	APC, APP, DEL, STA	Chrome-plated-LAB; Cold rolled steel -MDM-(wire)-UNI; Corrugated board- LOW; Electroplated steel-ANM; Electro- polished-UNI; Fiberglass-HAO, RUQ, UNO; Magnesium-LEN, MET; Painted wire and steel-UNI; Stainless steel wire-ABC, LAB, UNI; Zinc-plated- LAB, UNI
ABC, ACM, AME, ATM, BAQ, CAE, CEN, COM, FOF, HAO, HOE, KEY, LAC, LEN, LEH, MET, NUC, REU, REY, UNI, UNO, WYI	ABC, AME, ANQ, CAP, COC, COS, FIS, GES, HAO, HOP, KEY, LAB, LEH, MBS, MDM, MED, NUC, PAT, PER, REY, UNI, UNO, WID	APP, DEL, STA	Chrome-plated-LAB; Cold rolled steel -MDM-(wire)-UNI; Corrugated board- LOW; Electroplated steel-ANM; Elec- tropolished-UNI; Fiberglass-HAO, RUQ, UNO; Magnesium-LEN, MET; Painted wire and steel-UNI; Stainless steel wire -ABC, LAB, UNI; Zinc-plated-LAB, UNI
ABC, ACM, AME, ATM, BAQ, CAE, CEN, COM, FOF, HAO, HOE, KEY, LAC, LEN, LEH, MET, NUC, REU, REY, UNI, UNO, WYI	ABC, AME, ANQ, CAP, COC, FIS, GES, HAO, KEY, LEH, MBS, MDM, NUC, PAT, PER, REY, UNI, UNO, WID	DEL	Cold rolled steel-MDM-(wire)-UNI; Corrugated board-LOW; Electroplated steel-ANM; Electropolished-UNI; Fiberglass-HAO, UNO; Magnesium-LEN, MET; Painted wire and steel-UNI; Plated steel-AMO; Stainless steel wire -ABC, UNI; Zinc-plated-UNI
ABC, ACM, AME, ATM, BAQ, CAE, CEN, COM, FOF, HAO, HOE, KEY, LAC, LEN, LEH, MET, UNI, UNO, WYI	ABC, AME, ANQ, AQU, CAP, COC, COS, FIS, GES, HAO, KEY, LAB, LEH, MBS, MDM, PER, UNI, UNO, WID	APC	Chrome-plated-LAB; Cold rolled steel -MDM-(wire)-UNI; Corrugated board- LOW; Electroplated steel-ANM; Elec- tropolished-UNI; Fiberglass-HAO, UNO; Magnesium-LEN, MET; Painted wire and steel-UNI; Stainless steel wire- ABC, LAB, UNI; Zinc-plated-LAB, UNI
ABC, ACM, AME, ATM, BAQ, CAE, COM, FOF, HAO, HOE, KEY, LAC, LEN, LEH, MET, UNI, UNO, WYI	ABC, AME, ANQ, COC, FIS, HAO, KEY, LEH, MDM, PER, UNI, UNO		Cold rolled steel-MDM-(wire)-UNI; Corrugated board-LOW; Electroplated steel-ANM; Electropolished-UNI; Fiberglass-HAO, UNO; Magnesium- LEN, MET; Painted wire and steel- UNI; Plated steel-AMO; Stainless steel wire-ABC, UNI; Zinc-plated-UNI
ABC, ACM, AME, ATM, BAQ, CAE, COM, FOF, HAO, HOE, KEY, LAC, LEN, LEH, MET, UNI, UNO, WAG, WYI	ABC, ALJ, AME, ANQ, COC, FIS, HAO, KEY, KIR, LEN, MDM, PER, UNI, UNO	FIB, KIR	Cold rolled steel-MDM-(wire)-UNI; Electroplated steel-ANM; Electro- polished-UNI; Fiberglass-HAO, UNO, WAG; Magnesium-LEN, MET; Painted wire and steel-UNI; Plated steel-AMO; Polyester-WAG; Stainless steel wire- ABC, UNI; Zinc-plated-UNI
ABC, ACM, AME, ATM, BAQ, CAE, COM, FOF, HAO, HOE, KEY, LAC, LEN, LEH, MET, UNI, UNO, WAG, WYI	ABC, ALJ, AME, ANQ, COC, FIS, FIS, GES, HAO, KEY, KIR, LEH, MDM, PER, UNI, UNO	FIB, KIR	Cold rolled steel-MDM-(wire)-UNI; Electroplated steel-ANM; Electro- polished-UNI; Fiberglass-HAO, UNO, WAG; Magnesium-LEN, MET; Painted wire and steel-UNI; Plated steel-AMO; Polyester-WAG; Stainless steel wire- ABC, UNI; Zinc-plated-UNI

MANUFACTURERS OF LABORATORY ANIMAL CAGES Continued

Animal	Stainless Steel	Galvanized Metal
Primates	ABC, ACM, ALO, AMF, AMO, ANQ, ATM, BAQ, BUS, CAE, COC, CCM, FOF, HAH, HAO, HOE, KEY, LAC, LAF, LEH, LEN, MET, PER, POR, REU, SCK, SIR, SPC, UNI, UNQ, VOL, WAH, WYI	ABC, ACM, ALO, AME, AMO, ANQ, BAQ, BUS, CAE, COC, COM, FOF, HAH, HAO, HOE, KET, KEY, LAF, LEN, MET, PER, POR, REU, SCK, SIR, UNI, UNO, WAH, WYI
Poultry	ABC, ACM, AMG, ANM, ANQ, ATM, BAQ, BUS, COC, COM, FOF, HAH, HAO, HOE, LAC, LAF, LEH, LEN, POR, REU, REY, SCK, SIR, VOL, WAH	ABC, ACM, AMG, ANM, ANQ, BAQ, BUK, BUS, CEN, COC, COM, FOF, HAH, HAO, HOE, KET, LAF, LEN, POR, REU, SCK, SIR, WAH
Other	<p>Alligators (baby)-stainless steel, aluminum, plastic-NUC  Amphibians-stainless steel, plastic, glass-OCE  Aquatics-stainless steel, aluminum-ATM  Baboons-stainless steel, galvanized metal, aluminum-FOF  Bears-stainless steel, galvanized metal, aluminum-FOF  Chinchillas-stainless steel, galvanized metal, plated steel-AMO  Chipmunks-stainless steel, aluminum-FOF; glass-APC; galvanized metal-APC, FOF  Complete range of stainless steel, aluminum, plastic cages-LEH  Complete range for research animals-stainless steel, galvanized metal-WAH  Fish-stainless steel, plastic-AQU, OCE; glass-OCE  Fowl-stainless steel-ABC  Fox-galvanized metal-KET  Frogs-stainless steel-HAH, KEY, LAC; galvanized metal-HAH, KEY; aluminum, plastic-KEY</p>	

Aluminum	Plastic	Glass	Other Material
ABC, ACM, AME, ATM BAQ, CAE, COM, FOF, HAO, HOE, KEY, LAC, LEH, LEN, MET, REU, UNI, UNO, WAG, WYI	ABC, AME, ANQ, COC, HAO, KEY, KIR, LEH, MDM, PER, UNI, UNO	KIR	Cold rolled steel-MDM-(wire)-UNI; Electropolished-UNI; Fiberglass-HAO, UNO, WAG; Magnesium-LEN, MET; Painted wire and steel-UNI; Plated steel-AMO; Stainless steel wire-ABC, UNI; Zinc-plated-UNI
ABC, ACM, ATM, BAQ, CEN, COM, FOF, HAO, HOE, LAC, LEH, LEN, REU, REY	ABC, ANQ, COC, HAO, LEH, MDM, REY		Cold rolled steel-MDM; Electroplated steel-ANM; Fiberglass-HAO; Mag- nesium-LEN; Polyester-WAG; Stain- less steel wire-ABC

Gerbils-stainless steel-ABC, HOE, SIR, UNI; galvanized metal-HOE, SIR, UNI; aluminum-HOE, UNI;  
plastic, stainless steel wire, cold rolled steel wire, zinc-plated, painted wire and steel, electro-  
polished-UNI

Insects-stainless steel, galvanized metal, aluminum, plastic, magnesium-LEN

Larger wild species-stainless steel, galvanized metal, aluminum-REU

Marsupials-galvanized metal-ABC

Mink-stainless steel-ABC

Opossums-galvanized metal-KET

Pigeons-plastic-GES

Reptiles-stainless steel, galvanized metal-COC, HAH; plastic-COC

Sheep metabolism-stainless steel-HOE, SPC; galvanized metal, aluminum-HOE

Skunks-galvanized metal-KET

Snakes-stainless steel, galvanized metal, aluminum, plastic-KEY

Squirrels-galvanized metal-APC, KET; glass-APC

Swine metabolism-stainless steel, galvanized metal, aluminum-HOE

Woodchuck-stainless steel, galvanized metal, aluminum, magnesium-MET

# MANUFACTURERS OF ANCILLARY LABORATORY EQUIPMENT

Accessories, miscellaneous	ABC	stainless steel	COL, FOS, KAB,
Amplifiers, physiological	LEX		KEW
measuring, all types		Cage accessories	LEN
Analyzers, automated nitrogen	COB	Cage pads	KIM
pH/blood gas	INL	Cages, all types	SPC
Portable polarographic	INL	CARY, glass, for	APP
Anesthesia units	KAB, NAT, PRV	respiration analysis	
Anthelmintic for rodents	FOT	infectious	POR
Antiseptics	VET	isolation	REU
Aprons, plastic	BRE, SIG	metabolism	KEY, POR
Artificial insemination	BRE	recovery	REU
instruments		restraining	FIS, REU
Bactericides, equipment and	ALF, DIV, KAB	security	REU
area		transistorized, for small	WOC
Balance accessories and	ALF	animals	
parts		Cans, rinses-sterilizer	GIR
Balances, analytical	ALF, CEN	storage	HOE, SIR
animal	OHA, PEC, TOR	Carts, all types	ANQ, HOE, KAB
"Newweigh" and "HiSpeed"	ALF	galvanized and stainless	ANQ
laboratory	CEN, FIS, HEU,	steel	
	OHA, PEC, SCJ,	laboratory	ATM, HOE, LAF,
	TOR		MET, SIR
micro and semimicro	ALF	refuse and bedding	ANQ, KAB
pellet	ALF, SCJ	transport	HOE, SIR
recording	ALF	Cases, feed jar	LEN
Bandages, gauze	VET	wire, bottle	GIR, LEN
Barographs	ABB	Catheters	FRA, PRV
Barometers	ABB	Centrifuge, high-speed angle	CUS
Baskets, water bottle	ABC, LAF	Chambers	MED
wire	GIR, LAF, LEN	acoustic and RF shielded	INA
Bedding, "AB-SORB-DRI"	LAB, WOA	environmental control (with	ENV, FOS, SHE,
(woodchip)		specifications)	TEN
"CEDAR-OMA"	SCI	altitude control	BET, COR, VAC
"LAB-LITTER"	SCI	humidity and temperature	BET, COR, KEW,
pine, lab animal	GRO	control	TEN
SAN-I-CEL®	PAX	pressure	BET, VAC
"Sani-Chips"	KAB	metabolism	BAI, OCE
"STOP-O" (odor	HAL	room-sized	BET, SHE
neutralizing)		stamina, for fish	OCE
woodchip	LAB	test	LEN
Behavioral assemblies with	GES	Cleaners, all types animal	DIV
programming equipment		care	
and recorders		"B.O.C. Odor Preventive"	BAP
Bins, bedding	ATM, GIR, HOE	for lab. metalware,	
feeding	ATM, BAQ, GIR,	bactericidal	
	HOE, KAB, SOU	"Deofectant"	SUP
mobile	KEY	for washers	WYA
Biochemicals	CHE, GEK, SAR	germicidal	WEA
amino acid concentrate	FOT	hand	ALF, KAB, WYA
Bleeder, rabbit	POR	lab. glassware	ALF, OAK, WYA
Boards, operating, with	EBE, HAV	manual operations	ALF, OAK
accessories		pen, cage, pan	ALF, WYA
Boilers, steam	GIR	"Saniwash"	SUP
Bottles, glass feeding	GIR, LAF	"Sparkleen"	SUP
nursing, with nipples	BRE	Cleaning equipment	DIV, KAB, OAK
water	KEY	ultrasonic, for surgery	ALF, HEA, JOY,
Bowls	BAQ, LAF, SIR	instruments, hypoder-	KAB
Cabinets, dry ice storage	CUS, MEE	mic needles, syringes, etc.	
medicine	LAC	Clippers, animal	FIS
solvent storage	KAB		

MANUFACTURERS OF ANCILLARY LABORATORY EQUIPMENT Continued

Closures, flanged rubber, disposable plastic	GIR	Disinfectants	ALF, KAB, KEY, SUP, WEA
Clothing, lab. suits, coveralls, etc., disposable	FRA, SNL	"Nolvasan"	FOT
Colorimeters	COB	"Superwash"	KAB
Compounds, air-conditioning maintenance	ALF, OAK	Disinfectant injection equipment	ALF, KAB
derusting	ALF, OAK	Dispensers, food, pellet, and drink	GES, KAB, KEY, LEH, REY
descaling	ALF, OAK	Disposal equipment, counter unit	GAR
for machine use	ALF	Dissecting instruments and supplies	CEN, CLD, FIS, SCK
sanitizing	ALF, OAK, WYA	Dollies, bottle case	GIR
Computer, digital for biological signals	NUA	can	ABC, HOE, KAB
Containers, food and water freezing and shipping	BAQ, FRA, KAB	Drain tables	CAE, COL
sawdust	FRA	Dressings, surgical	ALJ
Conveyors	KAB	Drinking systems	ABC, COM, FIS
Cotton products	SOU	automated	COM, FIS, LEH
Counter tops, stainless steel	VET	Dry box, controlled atmosphere, with remote control	KEW
Covers	CAE, CLE, COL, SOU	Dryers, cage, for small animal hospitals	ALJ
cage	LEN	freeze	VAC
dust, for balances	MET, UNI	vacuum	REY
Crates, aluminum shipping	CAE	Electrocardiography equipment	AVI
Culture media, bacteriological	REU	Electrodes, pH	COB
Custom design, animal care and lab. research	CAY	pH/mV	INL
engineering services, animal care facilities	ANQ	Electrometers, pH/mV	INL
environmental control chambers	COM, SOU	Electronic instrumentation for producing electro-anesthesia	HEW
furniture, lab.	BET, ENV, FOS, GAF	Engineering service, complete animal care	COM, SOU
metalware and plastic equipment	LAC	Environmental monitoring systems (for chambers)	ENV
respiratory studies, equipment for	NUC	Equipment, all types animal care and lab. research to specifications in stainless steel, galvanized, and aluminum	ANQ
surgical instruments	COC	clinical testing	CLD
veterinary equipment	GAG, LAW	infusion and perfusion laboratory	HAV
washing machines	GAG	Euthanasia chambers for small animals, with equipment	FRA, SAR, SCK
Decapitators	ALV	Feed supplement "Clovite"	CAR
Deodorants and equipment	HAV	Feeder-lid for use on glass jars	FOT
"Refreshaire"	SUP	Feeders	APC
Deodorizers	DIV, KAB, OAK, SUP	automatic system for small animals	ALJ, FIS, KEY, POR, SIR, UNI
spray	KAB	Fence sections, prefab. for dog kennel runs	COM, LEH
Detergents	DIV	Fillers, water bottle	MET, POR
dispensing and control equipment	ALF, DIV, KAB, KEY	Filters, bacteriological	FOF, KAB
portable, spray	DIV		BEY, GIR, LAF
for cage washers	ALF, KAB		CUS
for manual cleaning	ALF, KAB, KEY		
Alconox	ALD		
Liqui-nox, phosphate-free	ALD		
for mechanical washers	ALF, KAB		
Alconox	ALD		
Alcotabs for siphon-type pipette washers	ALD		
Dilutors, automatic	LAG		

MANUFACTURERS OF ANCILLARY LABORATORY EQUIPMENT Continued

Fishing apparatus, electronic	OCE	Light box, "Glow-Box"	INS
Floors, none composition	CRO	"LightTable" base illuminators with glass bases	EDN
resin composition	CRO, KAB	Lights, color-corrected	CLE
wire	UNI	examining	
Flushing systems, automatic	BAQ, COM	color-corrected microscope	CLE
for cages		floodlight	EDN
Furniture, metal lab.	COL, LAC, MEQ, SOU	operating and examining	ALJ, INC
	DIL	ultraviolet/fluorescent	CLE
Gauges, tension, compression, length, strength of materials, with remote reading apparatus		magnifier	
Germicides	ALF, KEY, WEA	Litter, PEL-E-CEL®	PAX
Glove bag	INS	STEROLIT®	MTW
Glove box, one-piece	LAE	Masks	FRA, KAB, PRV, VET
Fiberglass		Measuring machines, length	OCE
stainless steel	FOS	Metabolism enclosures	BAL, KEY, OCE, POR
Gloves, disposable	FRA, KAB, KEW, SCK, SNL	Meters, blood flow	AVI
	KEY, SOU	oxygen saturation/hemoglobin	INL
Handling systems, automated with materials		pH	COB
Harnesses, plastic and leather	SG	Micromanipulators	PRO
Heart monitor	NAT	Microscopes	CEN, ELG, GPS, SWI
Hearts, artificial animal	HAV	lab. supplies	CLD, GPS, SWI
Heating equipment, electromagnetic	LEP	rebuild and repairs	GPS
radiant, electrothermal	SG	Microscopy equipment	ELG
Hemostate	VET	Microtomes	SWI
Holders, animal	FIS	Monitors, activity	OCE
bottle	ATC	Needles, disposable	VET
record card	KEY	Neurophysiology apparatus and electrodes	PRO
Hoods, air-supplied	SNL	Nipples, nursing, for small animals	BRE
fume, stainless steel	CAE	Nozzles, spray	HEA
laminar flow exhaust	ADR	Nuclear measurement and tracing equipment with analysis systems	NUB
Hose with equipment	KAB	Oscilloscope image expander	EDN
Humidity indicators	ABB, SHI	Ovens, lab.	CEN, SOU
Humidity recorders	ABB	Oxygen therapy specialties	NAT, PRV
Immunization, aerosol chamber for	TRR	Pans, feeding and watering	FRA
Incinerators	KAB, KEW, NAO, SYR	Pesticides	CHE
general lab. wastes	NAO, SYR	Petri dish	PRV
Incubators	CEN, FOS, HYD	Photofluorometers	COB
Indicators, biological, for sterilization effectiveness	WIE	Photometers, flame	COB, INL
Injector, automatic	SAG	Physiological measuring instruments	GRC
Insecticides, dips and dusts	KAB, SUP	Pipettes	CLD, FRA
Instruments, animal surgery	CLD, LAW, PER	automatic	LAG
for dogs, cats, horses, and cattle	ALJ	cans	MET
laboratory	SAR, SCK	Infuse-Eze	ALE
physiological measuring	GRC	Plastic-ware and equipment	PER
veterinary diagnostic	ALJ	Probes, ultrasonic, for disruption of biological cells and homogenization of animal tissue	BLC
Jars, animal	ADR, COW	Programming systems	GES, MDC
Labeling systems	PRT		
for cages	WAH		
Laboratory supplies	SAR, SCK		

MANUFACTURERS OF ANCILLARY LABORATORY EQUIPMENT Continued

compatible with data acquisition systems	MDC	Sponges, gauze	VET
electromechanical and solid-state	GRA	rubber	SIG
Pulmonizers	MED	Spraying equipment	HEA, SUP
Pumps, infusion with cage-top swivel	SAG	Stain removers	OAK
metering	HEA	Stands	SIR
portable	SAG	infusion	EVS
syringe	SAG	Sterilizers	CEN, INC, SOU
vacuum	CEN	animal feed	INC
Racks	ATM, COM, SIR	bulk animal cage	INC
adjustable	COM, SIR	continuous-flow water	INC
animal cage, stainless steel and galvanized	ANQ, HOE, KEY, LAF, LEN, MET, UNI	steam or ethylene oxide with automatic dryer	VAC
excreta pan transport	HOE	Stillas, water	CLE
pan washing	HOE, SIR	Stimulus generators	INC
test tube	LAF, MET	Stoppers	HEW
Radioactivity measurement apparatus (for animals)	NUL	neoprene	ATC, GIR, KEY
Radiochemistry unit	KEW	Storage equipment	LAF
Recording equipment, all types physiological	LEX	Stunner, rodent	KAB, SIR
Respirators, animal	HAV, MIE, PRV	Surgical instruments	HAV
Restrainters	ATM, I.EH, KEY	Sutures	CLD, GAG, LAW, PER
Cat-Shur	ALE	disposable	ALJ, FRA, VET
chairs for primates and large felines	REU	Syringes	SCK
plastic for small animals	MBS	disposable	FRA, VET
Plexiglas with metabolism chamber for respiration of rats	BAI	nylon with interchangeable tips	FRA, SCK
rats	POR	Tables, dissecting	CHS
Resuscitator	EVS, NAT	examining	SPC
Rib retractors for horses and cows	GAG	veterinary	ATM, BAQ
Rodenticides	KAB	laboratory	ALJ, EBE
Scales, lab.	CEN, HEU, PEC, SCJ, TOR	necropsy	ATM, LAC
Shakers, clinical	CLD, EBE	operating	HOE, LAC, POR, SIR, SPC
shavings, white pine	BLA	for large animals	ATM, EVS, FER, HOE, SCK, SIR, STL
shelves	KAB, LEN, SOU	veterinary	GAG
Silencers, for isolation of noise	INA	preparation	ALJ, POR, PRO, SCK, SIR, STL
Sinks	BAQ, CAE, COL, KAB	stainless steel	BAQ
portable	LAC	transport	GIR, STL
Solution control equipment	ALF, KAB, WYA	treatment	REU
Solvents, urine and lime scale removers	ALF, KAB	Tags	POR, REU
Sonifier cell disrupter	HEA	Tanks, pressure, for media and tissue culture production	FIS
Sound-regulating materials, partitions, doors, attenuators	INA	Tape, adhesive	MET
Spectrophotometer cells and washers	COB, HEA	Telemetry systems, biomedical, (Metrol and Cardioguard)	VET
Sphygmomanometer	SAG	Thermometers	AVI
Spirometers	MED	electronic thermistor, with probes	ABB
		Timers, reaction, with acoustic or electric stimulus	TRR, YEL
		Tonometers	OCE
		Towels, disposable, with dispenser tray	INL
		Traps, electric flea	SOR
		Trays, basket	BRE
			LEN, SIR



# MANUFACTURERS OF ANCILLARY LABORATORY EQUIPMENT Continued

stainless steel syringe	ABC	Washers, for dogs	GIR
Treadmills for large animals	GAG	for glassware	WRI
Trucks, case	LEN	portable spray jet steam	INC
feed and material handling	GIR, KAB	and water pressure	
transportation	LEN	slipper tube	GIR
Tubes, disposable Wintrobe	LAG	Waste, disposal units (sink)	INC
drinking, plain and	COW, LAF, KEY,	bags and liners	SNL
graduated	SIR, WAL	Water baths	CEN
endotracheal	FVS	Waterer, automatic for dog	GIR
latex and plastic	FRA	"Ball-waterer" for small	ATC
sipper	GIR	animals	
Valves, automatic to control	ATC	(self-) "Limit"	ATC
drinking water with access-		"Touch-n-Drink" tubes	ATC
ory installation equipment		Watering equipment	ATC
Vaporizer	NAT	Watering guns	ANG, KAB
Visual amplifier, "Work-	EDN	Watering systems	ABC, FIE, SIR
Viewer"		automatic for primates	MAA

# MANUFACTURERS OF GERM-FREE LABORATORY EQUIPMENT

Atomizers	SNL	Hose, vacuum	SNL
Autoclaves	CLE, KAB, KEW,	Isolators	GAF, LEM, MDM,
	WIE		SNL
Blowers	HAQ, INC, SNL	aluminum, for mouse	ABC
Brain tissue slicer	LAC	Fiberglass	HAQ, SNL
Cages, filter type for rodents	ATM, HER	flexible film	GAF, HOA, INC,
temperature, humidity and	SIR		LAC, MAL
oxygen controlled		general purpose--rearing,	REY
Caps, entry port	GAF	operating, connecting,	
Cart, sterilization control	REY	examining, transfer	
and recording		Iso-Cage (filter, mouse)	LAB
Chambers, controlled	FOG, VAC	Isolab, self-contained,	LAB
environment		plastic, disposable, for	
metabolism, Delmar-Roth	DEL	mice	
Clothing, disposable	KAB	Isolator/Lab <sup>®</sup> unit for con-	FIE
Drying unit, portable vacuum	REY	trolled atmosphere and	
freeze	VAC	varied pathogenic environ-	
Entry ports and caps	GAF, SNL	ment, fully adjustable	
Exhaust hoods, laminar flow	AIR	stainless steel with filters	ATM, HAC, LAC
Feeding systems, automatic	COM	and vacuum pump	
Film, flexible PVC, custom-	GAF	Jars, glass, for keeping animals	AIR
made items		Outlet traps	GAF, INC, SNL
Filters	HAQ, INC, SNL	Retaining rings	SNL
Glove boxes	FOG, LAE, MDM	Sterilizing units	LAC, VAC
Glove rings	GAF, SNL	Supply drums, sterile	SNL
Gloves	HAQ, KAB, SNL	Surgical instruments	KAB
Gloves, dry box	KAB	Surgical units	KEW, LAC
DURA-SOL, oxygen	CHB	Transfer sleeves	GAF
resistant		Transfer units, stainless	LAC, SNL
NEO-SOL neoprene and	CHB	steel with flexible film	
BUTA-SOL butyl		sleeves	
RAD-BAR, shielding against	CHB	Watering systems, automatic	COM
radiation		automatic primate	MAA
sulfur-free	CHB	"WHITE-ROOMette"	ULT

V

SUPPLIER AND  
MANUFACTURER  
ADDRESS CODES

# SUPPLIER AND MANUFACTURER CODES

Code	Name	Code	Name
AAE	A & T Farms, Inc. P. O. Box 122, R. D. #2 Altamont, N. Y. 12009 (518) 768-2240	ALJ	Allen Veterinary Supply Co. 103 Avenue F Brooklyn, N. Y. 11218 (212) GE 8-5700
ABB	Abbeon Incorporated 179-15 Jamaica Ave. Jamaica, N. Y. 11432 (212) AX 7-8400	ALL	Allied Mills, Inc. 100 N. Wacker Drive Chicago, Ill. 60606 (312) FI 6-8060
ABC	ABCO Wire & Metal Products Animal Care Department P. O. Box 3188, W. Harder Annex Hayward, Calif. 94544 (415) 783-6121 or 387-8150	ALO	Aloe Scientific, Division of Brunswick 1831 Olive St. St. Louis, Mo. 63103 (314) CH 1-5700
ACM	Acme Metal Products, Inc. 7757 S. South Chicago Ave. Chicago, Ill. 60619 (312) 731-8080	ALV	Alvey-Ferguson Company 3131 Daney St. Cincinnati, Ohio 45209 (613) 731-7000
ADV	Adventure Hill Farm Highway 69 North Clinton, N. J. 08809 (201) 838-6676	AMA	American Animal Industries, Inc. P. O. Box 68036 Indianapolis, Ind. 46268 (317) 281-3232
AGW	Agway, Inc. (Country Best Foods) P. O. Box 354 Ithaca, N. Y. 14851 (607) 272-6050	AME	American Laboratory Equipment Co. 1320 Ocean Ave. San Francisco, Calif. 94112 (415) 587-2500
AIR	Air Control Inc. 125 Noble St. Norristown, Pa. 19401 (215) 278-0800	AMO	American Lincoln Incubator Co. P. O. Box 667 New Brunswick, N. J. 08903 (201) KI 8-3870
ALB	Albino Farms P. O. Box 331 Red Bank, N. J. 07701 (201) 747-3816	AML	Amesbury Metal Products Co., Inc. 38 Oakland St. Amesbury, Mass. 01813 (617) 388-0900
ALC	Alcar Instruments, Inc. 300 Elm St., P. O. Box 630 Trenton, N. J. 08604 (609) 394-5106	AMO	Joseph Amon, Inc. P. O. Box 168 Rahway, N. J. 07065 (201) 388-0230
ALD	Alconox, Inc. 853 Broadway New York, N. Y. 10003 (212) OR 3-1300	ANB	Ani-Lab, Inc. 196th and Rte. 964 Homewood, Ill. 60430 (312) 788-9030
ALE	Alexander-Shaw Corporation P. O. Box 241, 182 Worcester St. Wellesley Hills, Mass. 02181 (617) 235-1248	ANF	Animal Feeds Inc. 3255 Park Ave. Bronx, N. Y. 10461 (212) CY 3-7750
ALF	Alfred Chemical Corporation 5-09 Burns Ave. Hicksville, N. Y. 11801 (516) GE 3-6730	ANM	Animatic Animal Care Products Inc. 830 State St. New Orleans, La. 70118 (504) 881-7340
ALI	M. A. Jonab Ali Raypara Road Khuina, East Pakistan	ANQ	An-Lab Equipment, Inc. 414 Black Oak Ridge Rd. Wayne, N. J. 07470 (201) 894-0747

**SUPPLIER AND MANUFACTURER CODES** Continued

Code	Name	Code	Name
APC	APCO Manufacturing Co. 2115 N. 8th St. Coeur d'Alene, Idaho 83814 (208) MO 4-2888	BAD	Badger Research Corporation P. O. Box 537 Madison, Wis. 53701 (608) 256-8064
APP	Applied Physics Corporation 3734 S. Peck Rd. Hesperia, Calif. 91016 (813) 446-7181	BAI	Baird-Atomic, Inc. 33 University Rd. Cambridge, Mass. 02138 (619) 884-7420
AQU	Aquariums Incorporated 87 Elm. 17 Maywood, N. J. 07057 (201) 343-2900	BAN	Stuart E. Banta 152 E. Pawling St. Hagman, N. Y. 13086 (516) 843-1527 or 842-4630
ARC	Arrowhead Caviary Rte. 93, Box 180, 6600 Westlake Rd. Bellevue, Mich. 48021 (616) 758-3598	BAO	Bark-Bridge Farms P. O. Box 43 Wenonah, N. J. 08080 (609) 857-3233
ARF	The Arrows Rabbit Farm Rte. #1, Box 143 North Garden, Va. 22969 (703) 286-1761	BAP	Barrett Chemical Sales Inc. 160 N. Washington St. Boston, Mass. 02114 (617) 523-0791
AEI	Asiatic Animal Imports, Inc. P. O. Box 8128 International Airport San Francisco, Calif. 94128 (415) 697-3747 or 862-6866	BAQ	H. Barrow Company, Inc. Industrial & Research Equipment Division 481 Broome St. New York, N. Y. 10013 (212) CA 6-7800
ATC	ATCO Manufacturing Company 1106 Hardman Ave. Napa, Calif. 94558 (707) 226-6716	BAR	Bar-Wan Rabbitry & Kennels, Inc. Rte. #1, Box 80 Crocker, Mo. 65452 (314) 774-6648
ATX	Atlantic Kennels, Incorporated R. R. 1, Box 167 Zionsville, Ind. 46077 (317) 873-2538	BAT	Battelle Memorial Institute Washington St. Duxbury, Mass. 02332 (617) 834-8682
ATM	Atlantic Metal Products, Inc. Medical Research Equipment Division 21 Fadem Rd. Springfield, N. J. 07081 (201) 378-6200	BEQ	Beagles for Research Inc. Green Hills Farm White Sulphur Springs, N. Y. 12787 (514) 282-8466
ATO	Atlas Canine Products, Inc. 3345 Royal Ave. Oceanside, N. Y. 11572 (516) 678-6400	BEI	Beamanor Farms 1712 Sheridan Rd. Cleveland, Ohio 44131 (216) 261-1020
AVI	Avionics Research Products Corp. 6901 W. Imperial Highway Los Angeles, Calif. 90048 (213) 674-1334	BEJ	Bee-Ridge Rabbitry 1400 Jamison Rd. Elma, N. Y. 14059 (716) NL 2-4786
BAA	B & B Rabbitry P. O. Box 136 Ft. Lupton, Colo. 80621 (303) 857-2367 or 857-2072	BEL	Bellewood Farm R. D. #1 Englishtown, N. J. 07726 (201) 536-9438
BAB	Babcock Poultry Farm, Inc. P. O. Box 260 Ithaca, N. Y. 14850 (607) 272-5990	BER	Berkeley Pacific Laboratories 1101 Fifth St. Berkeley, Calif. 94710 (415) 527-1101

SUPPLIER AND MANUFACTURER CODES Continued

Code	Name	Code	Name
BET	The Bethlehem Corporation 225 W. Second St. Bethlehem, Pa. 18106 (215) 867-4003	CAO	Canadian Research Animal Farms R. R. #2 Bradford/Ontario, Canada (416) 775-2809 or 775-2263
BEY	Better Built Machinery Corporation 161 E. 42nd St. New York, N. Y. 10017 (212) 872-3111	CAP	Capital Plastics Company 4215 Howard Ave. Kensington, Md. 20786 (301) 849-2991
BIO	Bioproducts, Incorporated Warrenton, Ore. 97146 (503) 861-2258	CAR	Carbothanasia, Incorporated 1815 Davidson Ave. New York, N. Y. 10453 (212) 472-1602
BLA	Black Brook Products Inc. P. O. Box 48 Lakeport, N. H. 03246 (603) 293-7707	CAW	*Carworth Inc. 216 Congers Rd. New City, N. Y. 10956 (914) 634-4666
BLC	Blackstone Ultrasonics Inc. Sheffield, Pa. 16347 (414) 868-3231	CAY	Case Laboratories, Inc. 1407 North Dayton St. Chicago, Ill. 60622 (312) MO 4-8452
BLU	Blue Spruce Farms, Inc. Gardner Rd. Altamont, N. Y. 12009 (518) 861-8841	CEB	Con-Tex Rabbitry 4000 Beverly Drive Waco, Tex. 76711 (817) 754-2810
BRE	Breeders Equipment Co. Flourtown, Pa. 19031 (215) AD 3-0799	CEN	Central Scientific Company 1700 Irving Park Rd. Chicago, Ill. 60613 (312) WE 5-8600
BRO	Brookside Farm East Stroudsburg, Pa. 18301 (717) 421-8880	CHA	*The Charles River Breeding Laboratories, Inc. 251 Ballardvale St. Wilmington, Mass. 01887 (617) 658-6000
BUC	Warren E. Buck 225 6th Ave. Glendora, N. J. 08053	CHB	Charleston Rubber Company Jark Industrial Park Charleston, S. C. 29405 (803) 744-7434
BUK	The Buckshire Corporation P. O. Box 195 Silverdale, Pa. 15962 (215) 257-7148 or 257-7234	CNC	Charles P. "Bill" Chase 136 N.W. 57th Ave. Miami, Fla. 33126 (305) 661-8771
BUS	Bussay Products Co. 2700 W. 35th St. Chicago, Ill. 60632 (312) 847-5036	CHE	Chem. Service, Inc. P. O. Box 15 Media, Pa. 19063 (215) 692-3026
CAE	The Cameron Co., Inc. 1809 Union Ave., Rear Baltimore, Md. 21211 (301) HQ 7-8100	CHF	Chesapeake Feed Co., Inc. P. O. Box 23 Beltsville, Md. 20705 (301) 776-7807
CAM	Camm Research Institute, Inc. 414 Black Oak Ridge Rd Wayne, N. J. 07470 (201) 694-0703	CHI	Chick Line East Garden Rd. Vineland, N. J. 08360 (609) 692-4719
CAN	*Canadian Breeding Laboratories 188 Lasalle St. St. Constant, (Laprairie) P.Q., Canada (514) 632-3280 or 365-3211		

SUPPLIER AND MANUFACTURER CODES Continued

Code	Name	Code	Name
CHL	Children's Cancer Research Foundation 35 Binney St. Boston, Mass. 02115 (617) 734-6000 (Ext. 880)	COM	Columbia Systems Co. 3829 Plyers Mill Rd. Kensington, Md. 20795 (301) 933-2645
CHS	Childs Surgical Supply, Inc. P. O. Box 5235 Pasadena, Calif. 91107	CON	Connecticut Valley Biological Supply Co. Valley Rd. Southampton, Mass. 01073 (413) 527-4030
CIR	Circle W. Rabbitry Upperhill, Vt. 05489 (802) TW 9-4438	COR	Conrad, Inc. Holland, Mich. 49423 (616) 392-3161
CKR	Clark's Rabbitry and Worm Ranch Rte. #1, Box 121 Scotland Neck, N. C. 27874 (919) 826-6001	COS	Consolidated Molded Products Warner St. & Greenwood Ave. Scranton, Pa. 18501 (717) 346-6527
CLA	George Clauss 18-19 Saddle River Rd. Fairlawn, N. J. 07412 (201) 796-0115	COU	Cornell University Research Dog Farm 37 Sapsucker Woods Rd. Ithaca, N. Y. 14850 (607) AR 5-3040 or AR 5-3030
CLD	Clay-Adams, Inc. 141 E. 25th St. New York, N. Y. 10010 (212) MU 6-4920	COV	Cornett Laboratory Animals P. O. Box 3504 Shawnee, Kans. 66217 (913) ME 1-7254
CLE	Cleveland-Burton Co. 7922 Haskell Ave. Van Nuys, Calif. 91406 (213) 873-5310	COW	Corning Glass Works Laboratory Products Dept. Corning, N. Y. 14830 (607) 962-4444
CLO	Clovelly Farm 5539 Beaver Crest Drive Lorain, Ohio 44053 (216) AV 2-6043	CRO	Crossfield Products Corp. 140 Valley Rd. Roselle Park, N. J. 07204 (201) 245-2800
COA	Thomas Coastam, IV 213 South St. Wattsburg, Pa. 16442 (814) 456-2937	CUM	*Cumberland View Farms Rte. #3 Clinton, Tenn. 37716 (615) 457-9414
COB	Coleman Instruments Corporation 42 Madison St. Maywood, Ill. 60153 (312) 345-7500	CUS	Custom Scientific Instruments, Inc. P. O. Box A, 13 Wing Drive Whippany, N. J. 07961 (201) 991-6403
COC	Warren E. Collins, Inc. 220 Wood Rd. Braintree, Mass. 02184 (617) 843-0610	CYN	Cyn-Piera, Inc. 34 W. Dryden Rd. Freeville, N. Y. 13068 (607) 347-4883
COE	Colonial Acres Rabbitry Rte. #1 Monett, Mo. 65708 (417) BE 5-5860	CZE	John S. Czepliel 26 Paderewski Ave. Chicopee, Mass. 01013
COF	Colonial Poultry Farms, Inc. Pleasant Hill, Mo. 64080 (816) 987-2137	DAL	Dahl Company P. O. Box 566 Berkeley, Calif. 94701 (415) 654-0805
COL	Columbia Metal Products Co. 260 E. 143rd St. Bronx, N. Y. 21231 (212) LU 5-3525		

SUPPLIER AND MANUFACTURER CODES Continued

Code	Name	Code	Name
DEL	Delmar Scientific Laboratories, Inc. 317 Madison St. Maywood, Ill. 60153 (312) 345-7500	ELM	Elm Hill Farm 71 Elm St. Chelmsford, Mass. 01824 (617) 256-2322
DEN	Dennen Animal Industries, Inc. 405 Essex Ave. Gloucester, Mass. 01930 (617) 283-1428	ENG	Engle's Hamstery P. O. Box 2024, Idaho Station Terre Haute, Ind. 47802 (812) LI 3451
DIE	Dierolf Farms, Inc. P. O. Box 26 Boyertown, Pa. 19512 (215) 367-2981	ENV	Environmental Growth Chambers 510 E. Washington St. Chagrin Falls, Ohio 44022 (216) 247-5100
DIL	W. C. Dillon & Company, Inc. 14620 Keswick St. Van Nuys, Calif. 91407 (213) 785-3168	EFH	John W. Eshelman & Sons 244 N. Queen St. Lancaster, Pa. 17604 (717) 397-6262
DIS	Disposable Laboratory Cages, Inc. BiorScience Division 15th & Bloomingdale Aves. Melrose Park, Ill. 60160 (312) 345-7400	EST	Etablissements A. Fontaine 70 Avenue Seghers Bruxelles 8, Belgium 26.77.98 -26.59.67
DIV	Diversey Corporation 212 W. Monroe Chicago, Ill. 60606 (312) ST 2-0800	EVE	Evergreen Corporation 9 Agamasith Lane Rainna, Dacca-2, Pakistan
DOG	Dogs for Research 4996 S. Redwood Rd. Murray, Utah 84107 (801) 266-4494	EVS	EVSCO Pharmaceutical Company 3345 Royal Ave. Oceanside, Long Island, N. Y. 11572 (516) 678-6800
DUB	Dublin Laboratory Animals, Inc. P. O. Box 875 Dublin, Va. 24084 (703) 674-5113	FAB	FAB Breeding Laboratories P. O. Box 223 New City, N. Y. 10956 (914) 634-9068
EBE	Eberbach Corporation P. O. Box 1024 505 S. Maple Rd. Ann Arbor, Mich. 48106 (313) 665-8877	FIB	Fibreplex Co. P. O. Box 14 Norwalk, Calif. 90652 (213) 699-0890
EDM	Frank Edmondson R. R. #2, Sunnyside Rd. Washington, Ind. 47501 (812) 254-2420	FIE	The Fieldstone Corporation 6811 Grace Ave. Cincinnati, Ohio 45227 (513) 271-3200
EDN	Ednalite Research Corporation 210 N. Water St. Peekskill, N. Y. 10563 (914) PE 7-4100	FIF	W. F. Fisher & Son, Inc. P. O. Box 465 Bound Brook, N. J. 08805 (201) 356-2060
ELG	Elgeet Optical Company, Inc. 638 Smith St. Rochester, N. Y. 14606 (716) BE 5-8080	FIS	Fisher Scientific Company 7722 Fenton St. Silver Spring, Md. 20910 (301) 587-7000
		FLI	Flinn's Rabbitry 160 Ontario St. Albany, N. Y. 12206 (518) HO 5-2518

SUPPLIER AND MANUFACTURER CODES Continued

Code	Name	Code	Name
FLO	Florida Marine Research Laboratory 4670 S. Peninsula Drive Daytona Beach, Fla. 32019	GER	Gerber's Moussery Cedar Lane Gray-Summit, Mo. 63039 (314) PI 2-4349 or PI 2-4297
FOD	Food and Drug Research Laboratories, Inc. Maurice Ave. at 58th St. Maspeth, N. Y. 11378 (212) TW 4-0800	GES	Ralph Gerbrands Co., Inc. 8 Beck Rd. Arlington, Mass. 02174 (617) 648-6415
FOF	Ford Fence Co., Inc. 6542 N. Westfield Blvd. Indianapolis, Ind. 46220 (317) 255-5427	GIR	Girton Manufacturing Company Animal Care Division Millville, Pa. 17846 (717) 488-2211
FOS	Forma Scientific, Inc. P. O. Box 649 Marietta, Ohio 45750 (614) 373-4763	GOF	Golfmoor Farm Fisher St. Westboro, Mass. 01581 (617) 366-2449
FOT	Fort Dodge Laboratories P. O. Box 518 Ford Dodge, Iowa 50501 (515) 573-3131	GOL	Golden View Rabbitry R. D. #1 Nazareth, Pa. 18064 (215) PL 9-0366
FRA	Joseph E. Frankle Company 4309-11 Rising Sun Ave. Philadelphia, Pa. 19140 (215) DA 4-7200	GOR	Gordon's Biological Supply Co. P. O. Box 584 Red Bank, N. J. 07701 (201) 741-8088
FRE	Alton V. Freeman Spruce Pine, N. C. 28777 (704) 765-4148	GPS	The Graf-Apsco Co. 5868 Broadway Chicago, Ill. 60626 (312) LO 1-6085
GAF	G F Supply Division, Standard Safety Equipment Co. 431 N. Quentin Rd. Palatine, Ill. 60067 (312) 359-1400	GRA	Grason-Stadler Company, Inc. 15 Winthrop St. West Concord, Mass. 01781 (617) 389-3787
GAG	A. F. Gagne, Associates 50 Wall St. Binghamton, N. Y. 13901 (607) RA 3-7519	GRC	Grass Instrument Company 101 Old Colony Ave. Quincy, Mass. 02170 (617) 773-0002
GAR	GARB-EL Products Corp. 443 Delaware Ave. Buffalo, N. Y. 14202 (716) 853-8600	GRE	Great Falls Products Co., Inc. Great Falls Ave., P. O. Box 2305 Rochester, N. H. 03867 (603) 332-2626
GEK	General Biochemicals Laboratory Park Chagrin Falls, Ohio 44022 (216) 247-4300	GRO	Groundwood Products Company, Inc. P. O. Box 15125 Cincinnati, Ohio 45215 (513) 761-1701 or 761-1702
GEN	General Foods Corporation Gaines Professional Services 250 North St. White Plains, N. Y. 10602 (914) 694-2500	HAH	Hahn Metal Products P. O. Box 3314-A Birmingham, Ala. 35205 (205) 324-6652
GEP	General Pet Supply Inc. 3227 N. 31st St. Milwaukee, Wis. 53216 (414) 445-3111	HAI	Henry H. Hainline Creston, Iowa 50801 (515) 344-4366



SUPPLIER AND MANUFACTURER CODES Continued

Code	Name	Code	Name
HAK	Hales & Hunter Co. 10 S. Riverside Plaza Suite 480 Chicago, Ill. 60606 (312) 332-4011	HEI	Heinicke Instruments Company 2035 Harding St. Hollywood, Fla. 33020 (305) 927-3371
HAL	The C. P. Hall Company of Illinois 5245 W. 73rd St. Chicago, Ill. 60638 (312) PO 7-4600	HEL	Hel 'C' Bob Rabbitry P. O. Box 367 Westminster, Calif. 92683
HAM	The Hamster House 1108 Wayne St. Ft. Worth, Tex. 76117 (817) TE 8-5764	HEM	Hemlock Hollow Farm 414 Black Oak Ridge Rd. Wayne, N. J. 07470 (201) 694-0703
HAN	Harborton Marine Laboratory P. O. Box 11 Harborton, Va. 23389 (703) 442-4669 or (301) 489-4225	HEN	Henry Rabbit Farm 49 Auburn St. Saugus, Mass. 01906 (617) 233-5258
HAO	Harford Metal Products, Inc. P. O. Box 459R Aberdeen, Md. 21001 (301) 272-3400	HER	Herman T. Hernberg Mfg. Company 7300 Crescent Blvd. Pennsauken, N. J. 08110 (609) 663-3312
HAS	Harris Hill Kennels R. D. #1 Elmira, N. Y. 14903 (607) 562-8109	HEU	Heusser Instrument Company P. O. Box 1233 Walnut Creek, Calif. 94597
HAT	Hartshurst-Thorsen and Company Monmouth County Airport P. O. Box 488 Belmar, N. J. 07719 (201) 775-5116	HEW	Hewlett-Packard Company, Loveland Division P. O. Box 301 Loveland, Colo. 80537 (303) 667-5000
HAU	Hartford's Bunnyland 11190 Leeks Rd. Grass Lake, Mich. #2, Mich. 49240 (517) 851-4153	HIC	Hickory Grove Rabbitry P. O. Box 111 Mammoth Spring, Ark. 72634 (501) 625-3625
HAV	Harvard Apparatus Co. Inc. Department T-46 Dover, Mass. 02010 (617) 785-0700	HID	Hill Packing Company P. O. Box 148 Topeka, Kans. 66601 (913) 354-8523
HAZ	Hazleton Laboratories, Incorporated 1952 Newton Square, West Reston, Va. 22070 (703) 532-5800	HIL	Hilldale Farms P. O. Box 728, R. D. #1 Franklinville, N. J. 08322 (609) 691-7286
HBA	H <u>BAR</u> D Farm R. D. #1, Box 103 Lafayette, N. J. 07848 (201) 383-5635	HOE	Hoeltge, Inc. 5242 Crookshank Rd. Cincinnati, Ohio 45238 (513) 922-4300
HEA	Heat Systems Company 60 Broad Hollow Rd. Melville, N. Y. 11749 (516) 692-9590	HOF	E. G. Hoffman & Son P. O. Box 815 Oshkosh, Wis. 54901 (414) 231-8720
		HCP	Hollywood Plastics, Inc. 4560 Worth St. Los Angeles, Calif. 90063 (213) 268-1181

SUPPLIER AND MANUFACTURER CODES Continued

Code	Name	Code	Name
HOT	Holtzman Company P. O. Box 4068 421 Holtzman Rd. Madison, Wis. 53713 (608) 266-6673	JAJ	J & J Caviary 8 Railroad St. Schuylkill Haven, Pa. 17972 (717) 385-1732
HOW	Holsworth Company P. O. Box 186 Fayetteville, Ark. 72701 (501) HI 2-4535	JAX	The Jackson Laboratory P. O. Box 258, Production Dept. Bar Harbor, Me. 04609 (207) 288-3373 Ext. 231 or 232
HUB	Hubbard Farms, Inc. Walpole, N. H. 03608 (603) 756-3311	JEJ	JEJA, Inc. Freetown Rd. Simpsonville, Md. 21160 (301) 288-3545 or 924-4601
HUL	Huldah's Caviary Rte. #2, Box 105 Bridgewater, S. D. 57319 (605) 729-2370	JOY	Joymar Scientific, Inc. 401 Broadway New York, N. Y. 10013 (212) CA 6-1373
HYD	Hydor Therme Corporation 7155 Airport Highway Pennsauken, N. J. 08109 (609) 663-6600	KAB	K.O.B. Associates, Inc. 180 Higbie Lane, P. O. Box 91 West Islip, L.I., N. Y. 11793 (516) MO 9-4668
HYL	Hy-Line Beagles Kellers Church Rd. Bedminster, Pa. 18910 (215) 793-2172	KAN	Kane Ranch, Division of Kane Industries, Inc. 5757 Bellaire Blvd., Suite 117 Houston, Tex. 77038 (713) MO 7-5795
INA	Industrial Acoustics Company, Inc. 380 Southern Blvd. Bronx, N. Y. 10454 (212) CY 2-0180	KEM	Kemp's Cavy Farm Rte. #3 Shelby, Ohio 44876 (419) 687-6489
INC	Industrial Dynamics - Division of American Sterilizer Co. P. O. Box 620 Erie, Pa. 16512 (814) 456-2021	KEN	Kennedy Small Stock Farm 6487 Townline Rd. North Tonawanda, N. Y. 14120 (716) 433-2432
IND	Industrial Washing Machine Corporation 32 Main St. Matawan, N. J. 07747 (201) 566-4660	KET	Ketch All Company 2536 University Ave. San Diego, Calif. 92104 (213) 297-1953
INL	Instrumentation Laboratory, Incorporated 9 Galen St. Watertown, Mass. 02172 (617) 926-1700	KEW	Keweenaw Scientific Equipment Logan St. Adrian, Mich. 49221 (313) 265-7131
INS	Instruments for Research & Industry 108 Franklin Ave. Cheltenham, Pa. 19012 (215) PI 5-4440	KEY	Keystone Plastics Co. 701 Painter St. Media, Pa. 19063 (215) LO 6-1120
INT	International Animal Exchange, Inc. 1489 E. 9 Mile Rd. Ferndale, Mich. 48220 (313) 545-3348	KIM	Kimberly-Clark Corporation Neenah, Wis. 54957 (414) PA 2-3314
ISA	Isacos' Rabbitry 202 N. Welch St. Hillsboro, Ill. 62049 (217) 532-2785	KIR	Kirschner Mfg. Co. Rte. #2, Box 160 Vashon, Wash. 98070 (206) 463-3331

SUPPLIER AND MANUFACTURER CODES Continued

Code	Name	Code	Name
LAA	LAB Associates, Inc. 13840 - 132nd Ave., N.E. Kirkland, Wash. 98033 (206) VA 2-5518	LAW	The Lawton Company, Inc. 428 Park Ave. South New York, N. Y. 10016 (212) MU 4-4184
LAB	LAB CAGES, Division of Beeton, Dickinson and Company 126 John St. Hackensack, N.J. 07602 (201) 487-6266	LEH	Lehigh Valley Electronics Engineering & Manufacturing Co., Inc. P. O. Box 135 Fogelsville, Pa. 18051 (215) 285-4211
LAC	Labco Division - Partaco, Inc. 2977 Lamb Ave. Columbus, Ohio 43219 (614) 471-4040	LEM	The Lemberger Company 1222 W. South Park Ave., P. O. Box 482 Oshkosh, Wis. 54901 (414) 231-8410
LAD	Labco Industries, Inc. 196th & Rte #64 Homewood, Ill. 60430 (312) 798-9030	LEN	Lenderking Metal Products, Inc. 1000 S. Linwood Ave. Baltimore, Md. 21224 (301) 276-2237
LAE	LABCONCO 8811 Prospect Ave. Kansas City, Mo. 64132 (816) EM 3-1355	LEP	Lepel High Frequency Laboratories, Inc. 54-18 37th Ave. Woodside, N. Y. 11377 (212) HA 6-4580
LAF	LAB-CRAFTS, Inc. 11 DeHart St. Morristown, N. J. 07960 (201) 538-1715	LEX	Lexington Instruments Corporation 241 Crescent St. Waltham, Mass. 02154 (617) 899-0410
LAG	LABINDUSTRIES 1802 Second St. Berkeley, Calif. 94710 (415) 843-0220	LEG	Lightner Enterprises P. O. Box 215 Thompsontown, Pa. 17094 (717) 535-5429
LAH	Laboratory Animals - A. W. Sterrett 2224 Savoy Ave. Akron, Ohio 44305 (614) RE 3-1758	LOK	Otto Martin Locke P. O. Drawer 731 New Braunfels, Tex. 78130 (512) MA 5-4523
LAI	Laboratory Supply Company 5010 Mooresville Rd. Indianapolis, Ind. 46241 (317) 856-5762	LOM	Lone Maple Rabbit Farms 643 Border City Rd. Geneva, N. Y. 14456 (315) 789-5242
LAL	Lake Champlain Frog Farms Alburg, Vt. 05440 (802) 796-3472	LON	Lone Trail Kennels P. O. Box 48 Friedensburg, Pa. 17933 (717) 739-2111
LAK	*Lakeview Hamster Colony P. O. Box 85 Newfield, N. J. 08344 (609) 691-2786	LOW	Lowell Corrugated Container Corporation P. O. Box 270, Bolt St. Lowell, Mass. 01852 (617) 458-8482
LAN	John C. Landis 1908 Virginia Ave. Hagerstown, Md. 21740	MAA	M. & J. Associates, Inc. P. O. Box 24 Timonium, Md. 21093 (301) 252-2127
LAR	The Lanicare Corporation P. O. Box 34 Woodboro, Md. 21798 (301) 845-5311	MAC	Mackesey Farms 1330 E. Badger Rd., Rte. #3 Madison, Wis. 53713

**SUPPLIER AND MANUFACTURER CODES    Continued**

Code	Name	Code	Name
MAD	Madison Production Laboratories P. O. Box 4031 Madison, Wis. 53711 (608) 387-3354	MDC	Massey-Dickinson Company, Inc. 9 - 11 Elm St. Saxonville, Mass. 01701 (617) 877-2511
MAQ	Magyar's Hamster Farm R. D. #2 Grafton, Ohio 44044 (160) 828-5818	MDM	Matthews Research, Inc. 4306 Wheeler Ave. Alexandria, Va. 22304 (703) 548-1600
MAI	Mainridge Small Stock Center 2114 Troy Ave. Madison, Ill. 62060 (618) GL 2-3320	MDX	Maxfield Animal Supply P. O. Box 44004 Cincinnati, Ohio 45244 (513) 861-9100
MAL	Manor Farms, Inc. Staatsburg, N.Y. 12580 (914) 876-3286 or 888-3278	MED	Med-Science Electronics, Inc. 2647 Locust St. Louis, Mo. 63103 (314) JE 5-7800
MAM	Maple City Rabbit Industries P. O. Box 161 Ogdensburg, N. Y. 13689 (315) 393-2840	MEE	Meese, Inc. P. O. Box 308 Madison, Ind. 47250 (312) 268-3331
MAO	Maple Grove Rabbitry 1803 W. Phelps St. Springfield, Mo. 65803 (417) 869-9355	MEQ	Metalab Equipment Company 270 Duffy Ave. Hicksville, N. Y. 11803 (516) WE 1-3100
MAP	Mapleview Farm E. Camp Rd. Germantown, N. Y. 12526 (514) LE 7-6694	MET	Metronics Corp. P. O. Box 405, 123 East St. Frederick, Md. 21701 (301) 662-4129
MAQ	Marine Tropicals, Hawaii P. O. Box 835 Kailua, Hawaii 96734 283912	MIC	Microbiological Associates, Inc. Walkersville, Md. 21793 (301) 846-2311
MAR	Marland Breeding Farms, Inc. P. O. Box 75 Wayne, N. J. 07470 (201) 694-5569 or 694-5750	MIE	Micro-Fine Instruments P. O. Box 11 Campbell, Calif. 95008 (408) 378-4360
MAS	Gilman Marshall Ferret & Beagle Ranch North Rose, N. Y. 14516 (315) LT 7-2296	MIF	Russell Miller Farms 3978 Nine Rd. Casenovia, N. Y. 13035 (315) 655-3023
MAZ	George Masur Enterprises, Research Division 77 Eye St., S. E. Washington, D.C. 20003 (202) 543-1100	MIL	*Millerton Research Farm, Inc. Rudd Pond Rd. Millerton, N. Y. 12546 (514) 789-4644
MBR	Maryland Breeders for Research 4343 Burtonsville-Laurel Rd. Burtonsville, Md. 20730 (301) 384-7070	MIV	Virginia G. Mills 4309 Evergreen Lane Annandale, Va. 22003 (703) 258-0964
MBS	Maryland Plastics, Inc., Econo Scientific Division 9 E. 37th St. New York, N. Y. 10016 (212) MU 6-5681	MIW	Minerals & Chemicals Division of Minerals & Chemicals Philipp Corp. Menlo Park, N. J. 08837 (201) 548-2200

SUPPLIER AND MANUFACTURER CODES Continued

Code	Name	Code	Name
MIY	Misco Biological, Inc. 6780 Jackson Rd. Ann Arbor, Mich. 48106 (313) NO 5-8101	NUC	Nuclear Supply & Service Co. 422 Washington Building Washington, D.C. 20005 (202) ST 3-3480
MOS	Morrison's Small Stock Farm P. O. Box 285 Hiram, Ohio 44234 (216) 274-2697	NUL	Nucleonic Corporation of America 186 DeGraw St. Brooklyn, N. Y. 11231 (212) 624-7370
MOY	The Emory Morse Co. P. O. Box 313 Guilford, Conn. 06437 (203) 453-2757	NUM	Nutrena Mills, Division of Cargill, Inc. Cargill Building Minneapolis, Minn. 55408 (612) 330-7078
MUR	Murphy Products Co., Inc. 124 S. Dodge St. Burlington, Wis. 53105 (414) 763-3866	NUT	Nutritional Biochemicals Corporation 21010 Miles Ave. Cleveland, Ohio 44122 (216) 622-0212
MYE	Harry E. Myers Laboratory Animals R. D. #6 York, Pa. 17404 (717) 843-5244	OAC	Oak Shadows Farm Rte. #8, 5933 E. 9th St. Kalamazoo, Mich. 49001 (616) 342-8682
NAO	Nash, Cadmus, & Voelker, Inc. 621 Meadowbrook Bank Building Freeport, N. Y. 11520 (516) 868-1111	OAD	Oakdale Farm & Kennel R. R. #5 Decatur, Ind. 46733 (317) 32097
NAT	National Cylinder Gas, Division of Chemetron Corporation 840 N. Michigan Ave. Chicago, Ill. 60611 (312) 944-3100	OAK	Oakite Products, Inc. 19 Rector St. New York, N. Y. 10006 (212) WH 3-0940
NEA	Newhall Aviary Rte. #1, Box 385 B Lodi, Calif. 95240 (209) 931-2479	OBR	Marvin O'Brien Rte. #3, Sykes Rd. Madison, Wis. 53713 (608) 255-1425
NEW	New Springville Laboratory Animals 300 Robinson Ave. Staten Island, N. Y. 10312 (212) YU 4-8619	OCE	Oceanic Associates, Inc. 280 Parkside Drive Palo Alto, Calif. 94306 (415) 327-0349
NEY	New York Breeding Laboratory 41 W. 72nd St. New York, N. Y. 10023 (212) SU 7-1337	OCT	October Hills Farm Rte. #1 Galesburg, Mich. 49053 (616) 665-5011
NOR	Northwest Rodent Company Rte. #2, Box 113 Pullman, Wash. 99163 (509) LO 8-5353	OGR	Flora O'Grady 2335 Gunther Ave. New York, N. Y. 10469 (212) OL 2-7777
NUA	Nuclear Data, Inc. 100 W. Golf Rd. Palatine, Ill. 60067 (312) 529-4600	OHA	Ohaus Scale Corporation 1050 Commerce Ave. Union, N. J. 07083 (201) 685-3400
NUB	Nuclear Supplies, Inc. P. O. Box 312 Encino, Calif. 91316 (213) 787-1722	OLD	Old Dominion Cavy Farm R. F. D. #2 Waynesboro, Va. 22980 (703) 943-9757

SUPPLIER AND MANUFACTURER CODES Continued

Code	Name	Code	Name
OLM	Old Mother Hubbard Dog Food Co., Inc. P. O. Box 389 Gloucester, Mass. 01930 (617) 883-0844	PEF	Perfection Breeders, Inc. P. O. Box 75 Douglasville, Pa. 19619 (215) 388-3600
OLO	Con Olson Co., Inc. P. O. Box 4081 Madison, Wis. 53711 (608) 257-3354	PER	Samuel Perkins Company P. O. Box 308 Brookline, Mass. 02146 (617) RE 4-7180
OSC	Coccola Caviar & Small Animal Farm 2522 Beaumont Ave. Kissimmee, Fla. 32741 (305) 847-3408	PET	The Pet Corral 4146 Oracle Rd. Tucson, Ariz. 85706 (602) 887-2484
OSW	Mrs. Ida Oswald P. O. Box 338 Martins Creek, Pa. 18063 (215) 253-3630	PEW	The Pet Farm 3310 N.W. South River Drive Miami, Fla. 33142 (305) 633-6810
PAB	Pacific Bio-Marine Supply Co. P. O. Box 285 Venice, Calif. 90293 (213) 391-6307	PEX	Pet Farms 196th & Rte. #84 Homewood, Ill. 60430 (312) 798-9030
PAC	Pacord Research Inc. 13080 S.W. Butner Rd. Beaverton, Ore. 97005 (503) 644-0337	PEZ	Pets Acres Hampton, N. J. 08827 (201) 636-6476
PAI	Paine Mountain Rabbitry R. F. D. 91 Williamstown, Vt. 05679 (802) 223-6437	PIR	Pine Ridge Caviary Rte. 64, Box 788 Clinton, Tenn. 37716 (615) 457-0847
PAL	Palmetto Pigeon Plant P. O. Box 1886 Sumter, S. C. 29160 (803) 775-1204	POC	Pocono Rabbit Farm & Laboratory Canadensis, Pa. 18326 (717) 698-7108
PAT	Patel Plastics, Inc. 250 Goffle Rd. Hawthorne, N. J. 07506 (201) 427-7500	POR	Porter Mathews Scientific Co. U.S. Rte. #1 Princeton, N. J. 08540 (609) 921-2850
PAX	Paxon Processing Co., Inc. 107 W. State St. Paxton, Ill. 60957 (317) 389-2302	PRI	The Prior-Wilhoite Co. P. O. Box 430 Frederick, Md. 21701 (301) 664-2134
PEA	Peaceful Valley Laboratory Animals P. O. Box 298 Chinchilla, Pa. 19410 (717) 587-3658	PRM	Primate Imports Corporation 34 Munson St. Port Washington, L.I., N. Y. 11060 (516) 767-7945 or (212) 656-7745
PEC	Pennsylvania Scale Company 21 Graybill Rd. Leola, Pa. 17540 (717) 656-3911	PRO	Process & Instruments Corporation 1943 Broadway Brooklyn, N. Y. 11207 (212) 452-8380
PEL	Pel-Freez Biologicals, Inc. P. O. Box 68 Rogers, Ark. 72736 (501) 636-2245	PRP	Production Cleaning Systems, Division of National Ultrasonic Corp. James St., P. O. Box 460 Somerville, N. J. 08876 (201) 723-5200

SUPPLIER AND MANUFACTURER CODES Continued

Code	Name	Code	Name
PRT	Professional Tape Co., Inc. 355 Burlington Rd. Riverside, Ill. 60646 (312) HI 7-7800	RES	Research Animals, Inc. 3113 Dixie Highway Louisville, Ky. 40316 (603) 636-7887
PRV	Professional Veterinary Services, Inc. 683 W. 26th St. Hialeah, Fla. 33010 (305) 888-1938	REU	Research Equipment Company, Inc. 810 S. Main St. Bryan, Tex. 77801 (713) 822-6127
PUR	Purebred Animals for Research, Inc. P. O. Box 272 Tribble Cove Rd. North Billerica, Mass. 01881 (617) 933-8312	REY	Reyniers & Son, Inc. 3806 N. Ashland Ave. Chicago, Ill. 60613 (312) 472-0018
PUS	Pushkarsky Rabbit & Worm Ranch 6322 Airview Rd. Memphis, Tenn. 38108 (901) 392-1508	RID	Rider Animal Co., Inc. 5409 Stratemeyer Drive Orlando, Fla. 32809 (305) 885-8612
QUA	Quaker Oats Company 345 Merchandise Mart Chicago, Ill. 60684 (312) 827-0600	ROC	Rockland Farms, Inc. P. O. Box 316 Gilbertsville, Pa. 19635 (215) 369-1008
QUE	The Quebec Breeding Farm, Inc. 806 Riviere Nord St.-Eustache, Co. Deux Montagnes Prov. Quebec, Canada (514) 473-6884	ROF	Rocky Hill Farms R. D. #1, Box 78 Warwick, N. Y. 10990 (914) 886-3688
RAL	Ralston-Purina Company 835 S. 8th St. St. Louis, Mo. 63102 (314) CH 1-3600	ROL	Dan Rolfmeyer Co. Syene Rd. Madison, Wis. 53713 (608) 886-6149
RAM	Ranco Equipment Corp. 40 Montgomery St. Hillside, N. J. 07036 (201) 687-6700	ROM	Roma Kennels, Inc. Main St. Dunstable, Mass. 01827 (617) 649-6614
RAW	*Rawley Farms 48806 W. Ann Arbor Rd. Plymouth, Mich. 48170 (313) GL 3-4780	ROS	Rose Valley Moussery Rte. #1, Box 683 Saint Cloud, Fla. 32789 (305) 892-4313
REA	The Red Pine Incorporated Willard, Wis. 54483 (715) 743-3064	ROW	Rowmar Rabbitry, Inc. Rte. #1 Mount Airy, Md. 21771 (301) 865-5671
RED	Redwood Game Farms 1965 N. Redwood Rd. Salt Lake City, Utah 84116 (801) 355-3511	ROY	*Royalhart Lab. Animals Inc. New Hampton, N. Y. 10958 (914) DR 4-5681 or DR 4-5601
REI	Reid's Hamstery W. Palmetto St., Box 1161 Avon Park, Fla. 33825 (813) 3-3029	RUG	Rugged Plastics Co. 110 E. 42nd St. New York, N. Y. 10017 (212) OX 7-3568
REP	Reptile Aquatic Supply Co. 75 Rte. #208 Wyckoff, N. J. 07481 (201) GI 5-3333	S/G	Sage Instruments, Inc. 2 Spring St. White Plains, N. Y. 10601 (914) 949-4121

**SUPPLIER AND MANUFACTURER CODES    Continued**

Code	Name	Code	Name
SAH	Sandy Hills Rabbitry Rte. 98, Box 148H Victoria, Tex. 77901 (813) HI 3-8083	SHI	Hayes G. Shimp, Inc. 870 Willie Ave. Albertson, N. Y. 11807 (516) 746-0284
SAR	E. H. Sargent & Co. 4847 W. Foster Ave. Chicago, Ill. 60630 (312) SP 7-2700	SHO	Sigel Laboratories P. O. Box 5177 Akron, Ohio 44313 (216) 239-8947
SAU	The Richard G. Saunders Corp. 61 E. 11 Blvd. Richmond, Va. 23224 (703) BK 3-2903	SIM	Simonsen Laboratories, Inc. Rte. 91, Box 129, Day Rd. Gilroy, Calif. 95020 (408) 842-8189
SCH	*A. R. Schmidt Co., Inc. 2828 Latham Drive Madison, Wis. 53713 (608) 267-8717	SIR	Siroor Instruments Corp. 300 Northern Blvd. Great Neck, N. Y. 11021 (516) 466-8218
SCI	Peter J. Schweitzer Division Kimberly-Clark Corporation Windom, Minn. 56101 (907) 831-3444	SKI	Skidmore Enterprises 3217 Buell Ave. Cincinnati, Ohio 45211 (513) 542-6161
SCJ	Scientific Instrument Company 2450 S. W. Temple Salt Lake City, Utah 84115 (801) 485-1601	SMI	W. C. Smith, Naturalist P. O. Box 1662 Ocala, Fla. 32670 (904) 622-8875
SCK	Scientific Products, Division of American Hospital Supply Corporation 1210 Leon Place Evanston, Ill. 60201 (312) 888-0800	SNL	Snyder Laboratories, Division of Snyder Mfg. Co., Inc. 1458 Fifth St., N.W. New Philadelphia, Ohio 44663 (316) 2-0181
SCL	Scientific Small Animal Laboratory & Farm, Inc. 401 W. Golf Rd. Arlington Heights, Ill. 60005 (312) 437-4738	SOR	Sorg Products Co. Ligonier, Ind. 46767 (219) 894-2131
SHA	Shamrock Farms, Inc. R. D. #2 Middletown, N. Y. 10940 (914) 342-3961	SOU	The Southern Cross Manufacturing Corp. Chambersburg Trust Company Building 14 N. Main St. Chambersburg, Pa. 17201 (717) 264-7168
SHB	Shamrock Poultry & Breeding Farms 380 Church Lane North Brunswick, N. J. 08902 (201) 297-0646	SPA	SPAFAS, Inc. R.F.D. #3 Norwich, Conn. 06360 (203) 889-1389
SHE	Sherer-Gillett Company Environmental Division Marshall, Mich. 49068 (616) 781-3915	SPB	Spartan Research Animals, Inc. 5735 N. Shoeman Rd. Haslett, Mich. 48840 (517) 635-1100
SHF	Sherwood Feed Mills, Inc. Eastern Ave. and President St. Baltimore, Md. 21202 (301) 539-8880	SPC	Specialty Equipment Co. P. O. Box 4182, North Station Winston-Salem, N. C. 27105 (919) 724-7036



SUPPLIER AND MANUFACTURER CODES Continued

Code	Name	Code	Name
SPD	*Sprague-Dawley, Inc. P. O. Box 4230 Madison, Wis. 53711 (608) 233-5318	TAC	*Taconic Farms Inc. Germantown, N. Y. 12526 (518) 537-6208
STA	Stanford Glassblowing Labs., Inc. 970 San Antonio Rd. Palo Alto, Calif. 94303 (415) 321-2828	TAR	Tarpon Zoo P. O. Box 947 Tarpon Springs, Fla. 33609 (813) 937-4201
STE	E. G. Steinbiller & Co., Inc. 102 Jesslyn St. Oshkosh, Wis. 54901 (414) 235-1990	TEK	Teklad, Incorporated (Rockland Diets) P. O. Box 9348 Monmouth, Ill. 61462 (309) 734-3819 or 734-3824
STK	Joseph E. Stocker 44 N. Central Ave. Ramsey, N. J. 07446 (201) 327-1064	TEN	Tenney Engineering, Inc. 1090 Springfield Rd. Union, N. J. 07083 (201) 686-7870
STL	Ted Stockwell Manufacturing Company Morenot, Mich. 48865 (313) 6236	TEX	Texas Inbred Mice Company 306 Alameda-Genoa Rd. Houston, Tex. 77047 (713) 433-1886
STR	Sturdy Dog Food Company 2103 W. Genesee St. Syracuse, N. Y. 13219 (315) HO 8-4111 or HU 8-2311	THE	Theracon, Inc. 4000 Meriden Rd. P. O. Box 1493 Topeka, Kans. 66601 (913) 233-7451
STT	Shuttles Guinea Pig Farm 3020 Bath Rd. Bristol, Pa. 19007 (215) 788-1178	THO	Thornecreek Farms R. D. #1, Box 310 Saxonsburg, Pa. 16056
SUN	Sunnybrook Poultry Farm, Inc. R. D. #2 Hudson, N. Y. 12534 (518) TA 8-1611	THP	Thorobred Laboratory Animals, Inc. P. O. Box 21274, Standiford Station Standiford Field Louisville, Ky. 40221 (502) 279-6185 or 634-0652
SUO	Sunrise Moussery and Cavies 216 Old New Brunswick Rd. New Market, N. J. 08855 (201) PL 2-5026 or PL 7-7416	THR	Three Springs Kennels 146 Bascom St. Pittsburgh, Pa. 15214 (412) 831-2003
SUP	Superior Chemical Products, Inc. 47 N. Second St. Philadelphia, Pa. 19106 (215) WA 8-6640	THV	Thrive Co., Inc. 919 N. Front St. Philadelphia, Pa. 19123 (215) WA 8-4356
SUT	Arthur Sutter 1813 W. Phelps Springfield, Mo. 65803 (417) UN 8-5242	TOB	Tobias Rabbitry R. D. #3, Box 102 Nazareth, Pa. 18064 (215) 759-2471
SWI	Swift Instruments, Inc. 1190 N. 4th St. San Jose, Calif. 95112 (408) 293-2580	TOR	The Torsion Balance Company 35 Monhegan St. Clifton, N. J. 07013 (201) 473-6900
SYR	Syrall Manufacturing Co., Inc. 319 N. Salina St. Syracuse, N. Y. 13203 (315) 471-4934	TOW	Town Line Poultry Farm Zeeland, Mich. 49464 (616) PR 2-6514

SUPPLIER AND MANUFACTURER CODES Continued

Code	Name	Code	Name
TRA	C. F. Traugott & Son P. O. Box 800 San Antonio, Tex. 78206 (512) 223-6331	VEY	Veterinary Specialties Laboratory 1628 Woodbrook Lane Philadelphia, Pa. 19150 (215) CH 7-0828 or CH 7-3877
TRE	Trefflich's Bird & Animal Co., Inc. 228 Fulton St. New York, N. Y. 10007 (212) 349-0592	VIT	Vita Private Limited 32 Alipore Rd. Civil Lines Delhi - 6, India 220576
TRI	Tri-Co Research Projects, Inc. 6960 E. Kilgore Rd. Kalamazoo, Mich. 49001 (616) 349-9181	VIV	Vita Vet Laboratories P. O. Box 108 Marion, Ind. 46952 (317) 664-0013
TRR	Tri-R Instruments, Inc. 144-13 Jamaica Ave. Jamaica, N. Y. 11435 (212) JA 3-0041	VOK	VO-KAL Company, Inc. 185 Locust St. Northampton, Mass. 01060 (413) 584-8477
TRS	Truslow Farms, Incorporated Chestertown, Md. 21620 (301) 778-3000	VOL	The Vollrath Company P. O. Box 611 Sheboygan, Wis. 53082 (414) 457-4851
TUM	Tumblebrook Farm, Inc. Brant Lako, N. Y. 12815 (518) CH 5403	WAG	Wagner Mfg. Co., Inc. 542 Main St. West Townsend, Mass. 01474 (617) 597-8770
TWN	Twin Oak Farm Creek and Cox Rds. Morristown, N. J. 08057 (609) 235-2808	WAH	Wahmann Manufacturing Company P. O. Box 6283 Baltimore, Md. 21204 (301) 252-2000
ULT	Ultrasonic Industries, Inc. Ames Court Plainview, N. Y. 11803 (516) OV 1-2000	WAL	Wall Tube and Metal Products Company P. O. Box 330 Newport, Tenn. 37821 (615) 623-2391
UNI	Unifab Corporation 5260 Lovers Lane Rd. Kalamazoo, Mich. 49002 (616) 345-0147	WAY	West Gate Hills Rabbitry 1460 Stokes Park Rd. Bethlehem, Pa. 18017 (215) 867-5667
UNO	UNO Manufacturing Company P. O. Box 55 Belmar, N. J. 07718 (201) 775-2334	WBS	West Jersey Biological Supply S. Marion Ave. Wenonah, N. J. 08090 (609) UL 7-0861
VAC	Vacudyne Corp. 375 E. Joe Orr Rd. Chicago Heights, Ill. 60411 (312) 374-2200	WEA	Western Chemical Company 1500 Davidson Ave. San Francisco, Calif. 94124 (415) 826-3636
VAN	G. van den Brink N. V. P. O. Box 15 Soest, The Netherlands (02855) 2344	WEE	Western New York Animal Resources, Inc. 10 Boston Pk. Ontario, N. Y. 14519 (716) TR 2-2312
VET	VETCO, Division of Johnson & Johnson 501 George St. New Brunswick, N. J. 08903 (201) 524-6123	WHI	White Animal Farm R.F.D. #4 Scarboro, Me. 04074

SUPPLIER AND MANUFACTURER CODES Continued

Code	Name	Code	Name
WHL	White Eagle Farms R. D. #3, 2015 Lower State Rd. Doylestown, Pa. 18901 (215) 348-9159	WOD	Woodmen Animal Farm 17 Waltham Rd. Wayland, Mass. 01778 (617) 1-358-2188
WHY	Whitney Animal Laboratories R. D. #3 Horseheads, N. Y. 14845 (607) 739-5456	WRI	R. G. Wright Company, Inc. 2280 Niagara St. Buffalo, N. Y. 14207 (716) 877-0700
WID	Will Scientific, Inc. P. O. Box 1050 Rochester, N. Y. 14603 (716) BR 1-8200	WYA	Wyandotte Chemicals Corporation, J. B. Ford Division Wyandotte, Mich. 48192 (313) 282-3300
WIE	Wilmot Castle Company 1777 E. Henrietta Rd. Rochester, N. Y. 14623 (716) BR 1-6060	WYI	Wyatt Industries P. O. Box 3052 Houston, Tex. 77001 (713) UN 1-6141
WIG	Windsor Ecology Gardens P. O. Box 1210 Bloomington, Ind. 47401 (812) 336-5000	YEL	Yellow Springs Instrument Co., Inc. P. O. Box 279 Yellow Springs, Ohio 45387 (513) 767-7242
WIN	Windy Acres Farm R. D. #2 Altamont, N. Y. 12009 (518) 861-6672	ZAR	Marlin U. Zartman R. D. #2 Douglassville, Pa. 19518 (215) 385-3377
WIP	Wingford Kennels Reg. 2 Woodland Place Grosse Pointe, Mich. 48230 (313) TU 2-4201	ZEE	F. J. Zeelandelaar, Inc. 406 North Ave. New Rochelle, N. Y. 10801 (914) 636-2096
WIR	Wirthmore Feeds Inc. 343 Winter St. Waltham, Mass. 02154 (617) 894-7750	ZIM	Zimmerman Laboratory Animals 4549 Prescott Lincoln, Nebr. 68461
WOA	Michael Wood Products, Inc. 635 Midland Ave. Garfield, N. J. 07026 (212) 478-3000	ZOO	Zoological Center, International 15W506 W. 63rd (Burr Ridge) Hinadale, Ill. 60521 (312) 325-3256
WOC	Woodard Research Corporation P. O. Box 405 Herndon, Va. 22070 (703) 437-1800	ZUC	Zucca's Hamstery P.O. Box 507 Vineland, N. J. 08360 (609) 691-3018

\*Codes of organizations accompanied by an asterisk designate members of the Laboratory Animals Breeders Association, an organization established to "promote and maintain ethical practices in regard to the production and marketing of laboratory animals."

( ) Numbers within parentheses are Area Code numbers.

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